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**National  
Voluntary  
Laboratory  
Accreditation  
Program**

# 1997 Directory

**NIST** Special Publication 810,  
1997 edition

U.S. Department of Commerce  
Technology Administration  
National Institute of Standards  
and Technology

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NO. 810  
1997



Dear Colleague:

The past year has seen some dramatic technological changes in the way we communicate with our customers. The exponential rise in the number of people accessing the World Wide Web has heightened awareness of this technology and NVLAP has been an active participant. As you may know, the NVLAP directory of accredited laboratories has been placed on the NVLAP web site and is being updated quarterly. This means that our customers and yours are provided with more current information regarding the number and status of NVLAP-accredited testing and calibration laboratories. If you are unaware of this development, or the fact that we have also placed NIST Handbook 150, *NVLAP Procedures and General Requirements*, along with other useful information on the NVLAP home page, I invite you to access it at <http://ts.nist.gov/nvlap>. We will be adding more features and information during the coming year.

As you will see on page iv of the directory, this year we have included a photo of the NVLAP permanent staff. We want you to be able to attach faces to the names of the people you deal with at NVLAP. We would like to meet and talk with each of you in person, but with a country as large as ours and with accredited laboratories in almost all of the states as well as several foreign countries, this would be all but impossible.

We have been extremely busy in the international arena as far as mutual recognition activities are concerned. Reciprocal assessments were conducted between NVLAP and the accrediting bodies in Australia (NATA), New Zealand (Telarc), and Hong Kong (HOKLAS), and we should be able to conclude by signing mutual recognition agreements (MRAs) early in 1997. The regional collaboration of accrediting bodies in Western Europe known as the European Cooperation for Accreditation of Laboratories (EAL) is working with NVLAP to recognize our program as well. We have been invited to have our accredited calibration laboratories participate in interlaboratory comparison measurements with a sampling of laboratories accredited by EAL member bodies, and we will receive an on-site assessment by an EAL team in the coming year. NVLAP is also actively pursuing a multilateral agreement with the Asia-Pacific Laboratory Accreditation Cooperation (APLAC). In addition, NVLAP is in the preliminary stages of working with many other countries such as Brazil, Argentina, Mexico, and India, to arrive at similar agreements as to the equivalence of each country's accreditation program.

The number of NVLAP-enrolled laboratories has grown this past year due to developments such as the Federal Communication Commission's decision to accept certain products tested in NVLAP-accredited EMC testing laboratories, the commencement of the NVLAP Fasteners and Metals accreditation program as a result of implementation of the Fastener Quality Act (P. L. 101-592), and the expansion of the Calibration Laboratories accreditation program in response to NVLAP's new policy requiring laboratories to achieve traceability either directly to NIST or through accredited calibration laboratories.

We look forward to serving our valued customers, both old and new, during the coming year.

Sincerely,

James L. Cigler, Chief  
Laboratory Accreditation Program

NIST Special Publication 810,  
1997 edition

**National  
Voluntary  
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Program**

**1997  
Directory**

Vanda R. White, Editor

January 1997

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**U.S. Department of Commerce**  
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Technology Administration  
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#### NVLAP AND THE NVLAP LOGO

The term NVLAP and the NVLAP logo are Federally registered trademarks of the National Institute of Standards and Technology and the Federal Government, who retain exclusive rights therein. Permission to use the term and/or the logo is granted to NVLAP-accredited laboratories for the limited purposes of announcing their accredited status, and for use on reports that describe only testing and calibration within the scope of accreditation. NIST reserves the right to control the quality of the use of the term NVLAP and of the logo itself.

## INTRODUCTION

The laboratories listed in this Directory have been found to be competent to perform certain tests or calibrations as specified. These laboratories are allowed to use the NVLAP logo on their test or calibration certificates or reports, which implies that the processes used to achieve the tests or calibrations have been evaluated by NVLAP as being technically adequate when performed under the conditions specified in the laboratories' quality manuals and associated documentation. Further, NVLAP certifies that the laboratories have demonstrated traceability of their tests or calibrations to national standards at the appropriate levels of uncertainty for which the laboratories have been accredited.

As a prospective customer of the laboratories listed in this Directory, you should be aware that the laboratories are obligated to inform you, before the fact, whenever a test or a calibration service which you have requested is not covered by the NVLAP accreditation (NIST Handbook 150, Section 285.33(k)(8)). When contracting for the test or calibration service, you have the right to specify whether or not you desire a NVLAP-accredited test or calibration. Provision of a non-NVLAP-accredited test or calibration shall not be accompanied by the use of the NVLAP logo on the certificate or report, and NVLAP does not endorse any claims made regarding traceability and uncertainty of the measurements performed.

In addition, if a laboratory performs a combination of tests or calibrations, some of which have been accredited by NVLAP and some of which have not, the laboratory is bound by the provisions of NIST Handbook 150 to clearly identify the tests or calibrations covered by NVLAP accreditation and those not accredited by NVLAP on the test or calibration certificate or report.

Current information on the accreditation status of a laboratory can be obtained by contacting NVLAP as follows:

- (1) Address: Chief, Laboratory Accreditation Program  
National Institute of Standards and Technology  
Building 820, Room 282  
Gaithersburg, MD 20899;
- (2) Phone: (301) 975-4016;
- (3) Fax: (301) 926-2884; or
- (4) E-mail: [nvlap@nist.gov](mailto:nvlap@nist.gov).

NVLAP also maintains a directory of accredited laboratories on the Internet, which is updated quarterly. The URL for NVLAP's home page is <http://ts.nist.gov/nvlap>.



*NVLAP Staff (from left to right): Tom Davis, Paul Martin, Lisa Warfield, Leslie King, Jim Cigler, Doug Faison, Maria Lancaster, David Alderman, Larry Knab, Jeffrey Horlick, Vanda White, Jon Crickenberger, Hazel Richmond. Missing from photograph: Sherrie Abrecht and Margaret Musick.*

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## PROGRAM SUMMARY

The National Institute of Standards and Technology (NIST) administers the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP is comprised of a series of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. Each LAP includes specific calibration and/or test standards and related methods and protocols assembled to satisfy the unique needs for accreditation in a field of testing or calibration. NVLAP accredits public and private laboratories based on evaluation of their technical qualifications and competence to carry out specific calibrations or tests. Accreditation criteria are published in the Code of Federal Regulations (Title 15, Part 285) as a part of the NVLAP Procedures and General Requirements, and encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002. Accreditation is granted following successful completion of a process which includes submission of an application and payment of fees by the laboratory, an on-site assessment, resolution of any deficiencies identified during the on-site assessment, participation in proficiency testing, and technical evaluation. The accreditation is formalized through issuance of a Certificate of Accreditation and Scope of Accreditation (fig. 1) and publicized by announcement in various government and private media.

NVLAP accreditation is available to commercial laboratories; manufacturers' in-house laboratories; university laboratories; and federal, state, and local government laboratories. Foreign-based laboratories may also be accredited if they meet the same requirements as domestic laboratories and pay any additional fees required for travel expenses.

NVLAP provides an unbiased third party evaluation and recognition of performance, as well as expert technical guidance to upgrade laboratory performance. NVLAP accreditation signifies that a laboratory has demonstrated that it operates in accordance with NVLAP requirements in the following areas: accommodation and environment; calibration and test methods; certificates and reports; complaints; equipment and reference materials; handling of calibration and test items; measurement traceability and calibration; organization and management; outside support services and supplies; personnel; quality system, audit and review; records; and subcontracting. NVLAP accreditation does not imply any guarantee (certification) of laboratory performance or test/calibration data; it is solely a finding of laboratory competence. A laboratory may cite its accredited status and use the NVLAP logo on reports, stationery, and in business and trade publications provided that this use does not imply product certification.

This Directory of laboratories is published annually and lists the name, address, contact person, phone and fax numbers, e-mail address (if available), accreditation renewal date, and scope of accreditation for each laboratory. An updated listing of laboratories is published quarterly on NVLAP's home page on the Internet: <http://ts.nist.gov/nvlap>.

### *Accreditation Renewal Date*

A laboratory accreditation is valid for one year and commences on one of four dates: January 1, April 1, July 1, or October 1; an accreditation will terminate after one year unless renewed by the laboratory. Users of this Directory who are considering selection of accredited laboratories should be aware of the renewal date and verify that the laboratory has retained its accreditation at the time its services are to be provided. Verification of accreditation status can be obtained by contacting NVLAP.

## *On-Site Assessment*

Before initial accreditation, an on-site assessment of each laboratory is conducted to determine compliance with the NVLAP criteria. After accreditation is granted, an on-site assessment must be conducted every two years in order for the laboratory to maintain accreditation. An assessment is conducted by one or more NVLAP assessors selected on the basis of their expertise in the field of testing or calibration to be reviewed. They may be engineers or scientists currently active in the field, consultants, college professors or retired persons. Their services are generally contracted as required.

Assessors use checklists provided by NVLAP so that each laboratory receives an assessment comparable to that received by others. However, assessors have some latitude to make judgments about a laboratory's compliance with the NVLAP criteria.

An assessment normally takes one to five days depending on the extent of the laboratory's application. Every effort is made to conduct an assessment with as little disruption as possible to the normal operations of the laboratory. During the assessment, the assessor carries out the following functions:

- meets with management and supervisory personnel responsible for the laboratory's activities to review the assessment process and to set the assessment agenda;
- examines the laboratory's quality assurance system, selects and traces the history of one or more samples from receipt to final issuance of reports, conducts a thorough review of the laboratory's quality manual, evaluates the training program, examines notebooks or records pertaining to the samples, checks sample identification and tracking procedures, determines whether the appropriate environmental conditions are maintained, and examines copies of completed reports;
- reviews records of periodic internal audits, use of check samples or participation in round-robin testing or other similar programs, personnel records including resumes and job descriptions of key personnel, competency evaluations for all staff members who routinely perform the testing or calibration for which accreditation is sought, calibration or verification records for apparatus used, reports, and sample control records;
- observes demonstrations of laboratory techniques and discusses them with the technical personnel to assure their understanding of the procedures; and
- examines major equipment, apparatus, and facilities.

At the conclusion of the assessment, the assessor will conduct an exit briefing to discuss observations and any deficiencies with responsible laboratory staff. A written assessment report will be left with the laboratory, and a copy forwarded to NVLAP.

If the on-site inspection reveals deficiencies that pertain to NVLAP requirements, the laboratory must respond in writing to NVLAP within thirty days of such notification. The response must provide documentation, signed by the Authorized Representative, that the specified deficiencies have either been corrected or include a plan of action to make corrections.

### ***Monitoring Visits***

Monitoring visits may be conducted at any time during the accreditation period for cause or on a random selection basis. These visits serve to verify reported changes in the laboratory's personnel, facilities, or operations, or to explore possible reasons for poor performance in proficiency testing. The scope of a monitoring visit may range from checking a few designated items to a complete review.

### ***Proficiency Testing***

Proficiency testing is an integral part of the NVLAP accreditation process. On-site demonstration of appropriate facilities, equipment, personnel, etc., is essential, but may not be sufficient for the continuing evaluation of laboratory competence. The production of test/calibration data using special proficiency testing samples or artifacts provides NVLAP with a means to determine the overall competence of the laboratory. Information obtained from proficiency testing helps to identify problems in a laboratory. When problems are found, NVLAP works with the laboratory staff to solve them.

Most fields of accreditation have proficiency testing requirements. Data submitted by the laboratories in response to specific NVLAP requirements are analyzed and reports of the results are made known to the participants. Summary results are available upon request to other interested parties; e.g., professional societies and standards writing bodies. The identity and performance of individual laboratories are kept confidential.

Satisfactory participation is based on specially tailored exercises designed to evaluate the ability of the laboratory to produce the services for which it is accredited. Some methods define pass/fail criteria; in other cases, individual laboratory results must fall within statistically acceptable limits of overall group performance. In a number of programs, NVLAP requires satisfactory participation in proficiency testing as a condition of initial, as well as continuing, accreditation.

### ***Technical Evaluation***

A final technical evaluation is performed by a NVLAP review panel. The panel's recommendations regarding accreditation are based on:

- information provided on the application;
- results of quality system documentation review;
- on-site assessment reports;
- actions taken by the laboratory to correct deficiencies;
- results of proficiency testing; and
- information from any monitoring visits of the laboratory.

If the technical evaluation reveals additional deficiencies, written notification of the deficiencies will be sent to the laboratory. The laboratory must respond as specified in the previous section, *On-Site Assessment*. Clarification of some issues may be requested by telephone. All deficiencies must be resolved before accreditation can be granted.

## *Accreditation Actions*

After the technical evaluation has been completed and all financial and administrative requirements have been satisfied, NVLAP takes one of the following accreditation actions:

***Accreditation*** The laboratory is issued a Certificate of Accreditation and a Scope of Accreditation.

***Denial*** The laboratory is notified of a proposal to deny accreditation and the reason(s).

If an accredited laboratory is found to be out of compliance with the NVLAP criteria, NVLAP may take one of the following actions:

***Suspension*** Suspension is a temporary removal of the accredited status of a laboratory when it is found to be out of compliance with the terms of its accreditation. The laboratory will be notified of the reasons for and conditions of the suspension and the action(s) that the laboratory must take to have the accreditation reinstated.

Reasons for suspension include: loss of key personnel, loss of major equipment, damage to laboratory by fire, changing laboratory location, proficiency test failure.

***Revocation*** Revocation is the removal of the accredited status of a laboratory when it is found to have violated the terms of its accreditation. The laboratory will be notified of the reasons for proposed revocation and the procedure for appealing such a decision. If accreditation is revoked, the laboratory may be given the option of voluntarily terminating the accreditation. A laboratory whose accreditation has been revoked must return its Certificate of Accreditation and cease use of the NVLAP logo on any of its reports, correspondence, or advertising.

Reasons for revocation include: obtaining accreditation through fraud, refusal to resolve deficiencies, no longer providing the type of calibration or testing service for which accreditation was issued.

If denial or revocation has been proposed, the laboratory may appeal the decision to the Director of NIST. If an appeal is not requested, the action becomes final upon the expiration of the 30-day period following receipt of the notification.

**NVLAP**<sup>®</sup>  
National Institute of Standards and Technology  
National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990  
ISO 9002:1987

**Scope of Accreditation**

Page 1 of 1  
NVLAP LAB CODE 100000-0

**ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS**

LABORATORY NAME  
Anytown, USA 00000-0000  
Mr. John Doe  
Phone: 000-000-0000 Fax: xxx-xxx-xxxx

**Designation**  
FCC Method - 47 CFR Part 15 - Digital Devices  
Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
Radiated Emissions  
Minimal Equipment Network Protection Standards,  
Method - 47 CFR Part 68 - Analog and Digital  
var. c, d, e, f) Environmental simulation;  
skage current limitations;  
various voltage limitations;  
signal power limitations;  
10 Longitudinal balance limitations;  
68.312 On-hook impedance limitations;  
68.314 Billing protection  
68.316 Hearing aid compatibility: technical standards  
68.302 Environmental simulation (Par. a, b)

December 31, 19--  
Effective through

NVLAP-015 (11-95)

**NVLAP**<sup>®</sup>  
National Institute of Standards and Technology  
National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990  
ISO 9002:1987

**Scope of Accreditation**

Page 1 of 1  
NVLAP LAB CODE 100000-0

**ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS**

LABORATORY NAME  
Anytown, USA  
Mr. John Doe  
Phone: 000-000-0000 Fax: xxx-xxx-xxxx

**Designation**  
FCC Method - 47 CFR Part 15 - Digital Devices  
Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
Radiated Emissions  
Minimal Equipment Network Protection Standards,  
Method - 47 CFR Part 68 - Analog and Digital  
var. c, d, e, f) Environmental simulation;  
skage current limitations;  
various voltage limitations;  
signal power limitations;  
10 Longitudinal balance limitations;  
68.312 On-hook impedance limitations;  
68.314 Billing protection  
68.316 Hearing aid compatibility: technical standards  
68.302 Environmental simulation (Par. a, b)

December 31, 19--  
Effective through

NVLAP-015 (11-95)

Figure 1. NVLAP Certificate and Scope of Accreditation (sample)

## LABORATORY ACCREDITATION SUMMARY

The following table summarizes laboratory accreditations by field of testing or calibration as of the date this Directory was prepared for publication. Since some laboratories are accredited in more than one field, the total number of laboratories listed by field of accreditation (see Index B) is greater than the number of laboratories in the system (see Index A).

| <i>PROGRAM GROUP/Field of Accreditation</i> | <i>Number of Accreditations</i> |
|---------------------------------------------|---------------------------------|
|---------------------------------------------|---------------------------------|

### CALIBRATION LABORATORIES GROUP

|                                     |   |
|-------------------------------------|---|
| Dimensional                         | 5 |
| Electromagnetics - DC/Low Frequency | 5 |
| Electromagnetics - RF/Microwave     | 2 |
| Ionizing Radiation                  | 3 |
| Mechanical                          | 7 |
| Thermodynamics                      | 3 |
| Time and Frequency                  | 3 |

### COMPUTER/ELECTRONICS GROUP

|                               |    |
|-------------------------------|----|
| Cryptographic Modules Testing | 3  |
| FCC Test Methods              | 68 |
| GOSIP                         | 5  |
| MIL-STD-462 Test Methods      | 11 |
| POSIX                         | 3  |

### DOSIMETRY GROUP

|                              |    |
|------------------------------|----|
| Ionizing Radiation Dosimetry | 51 |
|------------------------------|----|

### ENVIRONMENTAL GROUP

|                                          |     |
|------------------------------------------|-----|
| Asbestos Fiber Analysis: PLM test method | 347 |
| TEM test method                          | 75  |

### PRODUCT TESTING GROUP

|                                                                                             |    |
|---------------------------------------------------------------------------------------------|----|
| Acoustical Testing Services                                                                 | 14 |
| Carpet and Carpet Cushion                                                                   | 15 |
| Commercial Products Testing<br>(Paints, Paper, Plastics, Plumbing, Roofing, Seals/Sealants) | 7  |
| Construction Materials Testing                                                              | 17 |
| Efficiency of Electric Motors                                                               | 1  |
| Energy Efficient Lighting Products                                                          | 8  |
| Thermal Insulation Materials                                                                | 18 |
| Wood Based Products                                                                         | 5  |

|                             |            |
|-----------------------------|------------|
| <b>TOTAL ACCREDITATIONS</b> | <b>676</b> |
|-----------------------------|------------|

## HOW TO USE THIS DIRECTORY

The *1997 Directory* lists laboratories accredited by NVLAP. It consists of five indexes which are cross-referenced by NVLAP Lab Code, a unique identifier assigned to each laboratory; e.g., 100000-0. The Directory enables the user to locate name, address, telephone and accreditation information about laboratories of interest. The user should contact the laboratories directly to get information beyond that provided here.

**INDEX A, LISTING BY LABORATORY NAME**, lists all laboratories in alphabetical order by laboratory name. The name of each laboratory is listed as it appears on its application for accreditation.

**INDEX B, LISTING BY FIELD OF ACCREDITATION**, lists all laboratories in alphabetical order by laboratory name within field of accreditation. The index is organized by PROGRAM GROUPS, which are groups of Laboratory Accreditation Programs (LAPs) assembled in categories of technical fields for efficiency in management (see page 6). Listed under each PROGRAM GROUP are the technical fields of accreditation managed within that GROUP. Laboratories accredited in more than one field will have more than one listing in this index.

**INDEX C, LISTING BY STATE/COUNTRY**, lists all laboratories in alphabetical order by laboratory name within state. The states are designated by the standard two-letter postal abbreviations. Laboratories located outside of the United States are listed at the end of the index. Index C also indicates the field of accreditation for each laboratory.

**INDEX D, LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE**, lists all testing laboratories in numerical order by NVLAP Lab Code. There is only one listing per Lab Code in Index D.

**INDEX E, LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE**, lists all calibration laboratories in numerical order by NVLAP Lab Code. There is only one listing per Lab Code in Index E.

### INFORMATION CONTAINED IN INDEXES D AND E

Each laboratory receives a Certificate of Accreditation and a Scope of Accreditation when accreditation is granted or renewed. The Scope of Accreditation details the methods and services for which accreditation has been granted to a laboratory. Indexes D and E present a condensation of the Scope(s) of Accreditation for testing and calibration laboratories, respectively.

The following information is presented for each laboratory listed in Index D or Index E:

- (a) NVLAP Lab Code;
- (b) Laboratory name and address;
- (c) Authorized representative (contact);
- (d) Phone number;
- (e) Fax number;
- (f) E-mail address (if available);
- (g) Field of accreditation;
- (h) Accreditation expiration date; and
- (i) Scope of Accreditation.

## HOW TO LOCATE SPECIFIC INFORMATION

### *For a laboratory whose name is known*

Refer to Index A and note the laboratory's NVLAP Lab Code. Look up the Lab Code in Index D (if testing) or Index E (if calibration) to obtain specific information about the laboratory; e.g., address, phone number, Scope of Accreditation, etc.

### *For a laboratory in a particular geographic area*

Determine the states (or country) included in the geographic area of interest. Refer to Index C to obtain the NVLAP Lab Code of a laboratory within the selected geographic area for a given field of accreditation. Look up the Lab Code in Index D (if testing) or Index E (if calibration) to obtain specific information about the laboratory; e.g., address, phone number, Scope of Accreditation, etc.

### *For a laboratory in a particular field of accreditation*

Choose the field of accreditation from the list on page 6. Refer to Index B and note the name and Lab Code of each laboratory of interest. Index B is organized by field of accreditation within major program group. Look up the Lab Code in Index D (if testing) or Index E (if calibration) to obtain specific information about the laboratory; e.g., address, phone number, Scope of Accreditation, etc.

## SPECIAL NOTE ABOUT LABORATORIES ACCREDITED IN ASBESTOS FIBER ANALYSIS

The test method designations for Bulk Asbestos Analysis (PLM) and Airborne Asbestos Analysis (TEM) are as follows:

### *NVLAP*

#### *Code*

#### *Program Title/Test Method Designation*

18/A01

BULK ASBESTOS ANALYSIS (PLM)

U.S. Environmental Protection Agency (EPA) "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" as found in 40 Code of Federal Regulations (CFR), Part 763, Subpart F, Appendix A, or the current U.S. EPA method for the analysis of asbestos in building material.

18/A02

AIRBORNE ASBESTOS ANALYSIS (TEM)

U.S. Environmental Protection Agency (EPA) "Interim Transmission Electron Microscopy Analytical Methods—Mandatory and Nonmandatory—and Mandatory Section to Determine Completion of Response Actions" as found in 40 Code of Federal Regulations (CFR), Part 763, Subpart E, Appendix A.

**INDEX**

**A**

**LISTING BY  
LABORATORY  
NAME**



# INDEX A. LISTING BY LABORATORY NAME

| LABORATORY NAME                                                   | NVLAP<br>LAB CODE | CITY               | STATE/<br>COUNTRY |
|-------------------------------------------------------------------|-------------------|--------------------|-------------------|
| <b>3</b>                                                          |                   |                    |                   |
| 3M Product Safety EMC Laboratory                                  | 200033-0          | St. Paul           | MN                |
| <b>A</b>                                                          |                   |                    |                   |
| A & B Environmental Services, Inc.                                | 101793-0          | Houston            | TX                |
| A.R.C. Laboratories, Inc.                                         | 101832-0          | Grand Forks        | ND                |
| AAC Trinity, Inc.                                                 | 101168-0          | Farmington Hills   | MI                |
| ABM Environmental Consultants, Inc.                               | 102015-0          | Long Island City   | NY                |
| Accredited Environmental Technologies, Inc.                       | 101051-0          | Media              | PA                |
| ACM Environmental, Inc.                                           | 101977-0          | South Bend         | IN                |
| Acoustic Systems Acoustical Research Facility                     | 100286-0          | Austin             | TX                |
| Acton Environmental Testing, dba National Technical Systems       | 100347-0          | Acton              | MA                |
| Advanced Industrial Hygiene Services, Inc.                        | 101006-0          | Miami              | FL                |
| Aearo Company, E-A-R-CAL Acoustical Laboratory                    | 100374-0          | Indianapolis       | IN                |
| AET Environmental, Inc.                                           | 101610-0          | Cherry Hill        | NJ                |
| Aetna Life & Casualty                                             | 101516-0          | Windsor            | CT                |
| Affiliated Environmental Services, Inc.                           | 101007-0          | Sandusky           | OH                |
| AGX, Inc.                                                         | 101578-0          | Cranberry Township | PA                |
| Aires Consulting Services, Inc.                                   | 101014-0          | Batavia            | IL                |
| AIResearch, Inc.                                                  | 101868-0          | Wauwatosa          | WI                |
| Airtek Environmental Corp.                                        | 102011-0          | New York           | NY                |
| Akzo Kashima Ltd. Kakegawa EMC Test Site                          | 100290-2          | Shizuoka           | JAPAN             |
| Akzo Kashima Ltd., Kashima EMC Site                               | 100290-0          | Ibaraki            | JAPAN             |
| Akzo Kashima Ltd., Matsuda EMC Test Site                          | 100290-4          | Kanagawa           | JAPAN             |
| Akzo Kashima Ltd., Nagano EMC Test Site                           | 100290-3          | Nagano             | JAPAN             |
| Akzo Kashima Ltd., Tochigi EMC Test Site                          | 100290-5          | Tochigi            | JAPAN             |
| Akzo Kashima Ltd., Yokohama Test Center                           | 100290-1          | Yokohama           | JAPAN             |
| Allegheny Asbestos Analysis                                       | 101704-0          | Canonsburg         | PA                |
| Alliant Techsystems                                               | 200084-0          | Annapolis          | MD                |
| Allison Analytical Services, Inc.                                 | 101330-0          | Worthington        | OH                |
| Alpine Consulting, Inc.                                           | 102089-0          | Colorado Springs   | CO                |
| Alternative Energy Corporation, Industrial Electrotechnology Lab. | 200081-0          | Raleigh            | NC                |
| AMA Analytical Services, Inc.                                     | 101143-0          | Lanham             | MD                |
| Ambient Labs, Inc.                                                | 101618-0          | New York           | NY                |
| American Carpet Laboratories, Inc.                                | 100139-0          | Ringgold           | GA                |
| American Electric Power Service Corporation                       | 102102-0          | Columbus           | OH                |
| American Medical Laboratories                                     | 101136-0          | Chantilly          | VA                |
| American Testing Laboratories, Inc.                               | 100146-0          | Lancaster          | PA                |
| Amoco Foam Products Quality Management Laboratory                 | 100284-0          | Smyrna             | GA                |
| AMS-NATEC Environmental Services, Inc.                            | 101155-0          | Garden Grove       | CA                |
| Analytica Solutions, Inc.                                         | 101086-0          | Broomfield         | CO                |
| Analytical Environmental Services, Inc.                           | 102033-0          | Atlanta            | GA                |
| Analytical Industries, Inc.                                       | 101855-0          | Paducah            | KY                |
| Analytical Labs San Francisco, Inc.                               | 101909-0          | San Francisco      | CA                |
| Analytical Management, Inc.                                       | 101224-0          | Louisville         | KY                |
| APA - The Engineered Wood Association Research Center             | 100423-0          | Tacoma             | WA                |
| Apex Research Laboratory                                          | 102118-0          | Whitmore Lake      | MI                |
| Apollo Environmental, Inc.                                        | 101871-0          | Gibsonton          | FL                |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| <b>LABORATORY NAME</b>                                            | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>       | <b>STATE/<br/>COUNTRY</b> |
|-------------------------------------------------------------------|---------------------------|-------------------|---------------------------|
| Apple Computer, Inc., EMC Compliance Laboratory                   | 200071-0                  | Cupertino         | CA                        |
| Applied Environmental Testing Laboratories, Inc.                  | 101063-0                  | Atlanta           | GA                        |
| Applied Environmental, Inc.                                       | 101611-0                  | Reston            | VA                        |
| Arizona Public Service Co., Palo Verde Nuclear Generating Station | 100536-0                  | Tonopah           | AZ                        |
| Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center | 100228-0                  | Lancaster         | PA                        |
| ASBESTECH                                                         | 101442-0                  | Carmichael        | CA                        |
| Asbestech Laboratories, Inc.                                      | 101988-0                  | Pompano Beach     | FL                        |
| Asbestos Analysis and Information Service, Inc.                   | 101261-0                  | Chapel Hill       | NC                        |
| Asbestos Analytical                                               | 101771-0                  | Tucson            | AZ                        |
| Asbestos Consulting & Testing (ACT)                               | 101649-0                  | Lenexa            | KS                        |
| Asbestos Control Program Laboratory                               | 101888-0                  | Corona            | NY                        |
| Asbestos Detection Co., Inc.                                      | 101172-0                  | Garden Grove      | CA                        |
| Asbestos TEM Laboratories, Inc.                                   | 101891-0                  | Berkeley          | CA                        |
| Assaigai Analytical Laboratories, Inc.                            | 101457-0                  | Albuquerque       | NM                        |
| ATC Associates Inc.                                               | 102071-0                  | Cincinnati        | OH                        |
| ATC Environmental, Inc.                                           | 101187-0                  | New York          | NY                        |
| ATC Environmental, Inc.                                           | 102031-0                  | Denver            | CO                        |
| ATEC Associates, Inc.                                             | 101265-0                  | Indianapolis      | IN                        |
| ATEC Associates, Inc.                                             | 101265-2                  | Dallas            | TX                        |
| ATEC Associates, Inc.                                             | 101265-8                  | Miami             | FL                        |
| ATEC Associates, Inc.                                             | 101265-10                 | Columbia          | MD                        |
| ATEC Associates, Inc.                                             | 102087-0                  | Marietta          | GA                        |
| Athenica Environmental Services, Inc.                             | 101958-0                  | Long Island City  | NY                        |
| ATOKA, Inc.                                                       | 101671-0                  | Little Rock       | AR                        |
| Atomic Energy Industrial Laboratory of the Southwest              | 100556-0                  | Houston           | TX                        |
| Auditory Systems Laboratory - Virginia Tech                       | 100352-0                  | Blacksburg        | VA                        |
| Azimuth Laboratories                                              | 101050-0                  | Charleston        | SC                        |
| <b>B</b>                                                          |                           |                   |                           |
| Baltimore Gas & Electric Company                                  | 100501-0                  | Lusby             | MD                        |
| Barnes and Jarnis, Inc.                                           | 101553-0                  | Boston            | MA                        |
| Batta Laboratories, Inc.                                          | 101032-0                  | Newark            | DE                        |
| Bay Area Air Quality Management District                          | 102090-0                  | San Francisco     | CA                        |
| BCM Engineers, Inc./Smith Environmental Technologies Corporation  | 101374-0                  | Norristown        | PA                        |
| Beling Consultants, Inc.                                          | 101356-0                  | Moline            | IL                        |
| Bell Laboratories, Division Lucent Technologies, Inc.             | 101965-0                  | Murray Hill       | NJ                        |
| Bellatrix Analytical Laboratories, LLC                            | 102110-0                  | Scottsdale        | AZ                        |
| Benchmark Engineering Inc.                                        | 101018-0                  | Auburn            | AL                        |
| Bentley Testing Laboratory                                        | 100288-0                  | City of Industry  | CA                        |
| Big Rivers Electric Corp.                                         | 200028-0                  | Henderson         | KY                        |
| BNR Product Integrity Labs                                        | 100350-0                  | Kanata Ontario    | CANADA                    |
| Braun Intertec Corporation                                        | 101234-0                  | Minneapolis       | MN                        |
| <b>C</b>                                                          |                           |                   |                           |
| CAMCO Lab                                                         | 101803-0                  | Fontana           | CA                        |
| Canadian Standards Association                                    | 100322-0                  | Etobicoke Ontario | CANADA                    |
| Cape Environmental Management, Inc.                               | 102111-0                  | Atlanta           | GA                        |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| <b>LABORATORY NAME</b>                                            | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>         | <b>STATE/<br/>COUNTRY</b> |
|-------------------------------------------------------------------|---------------------------|---------------------|---------------------------|
| Carnow, Conibear & Associates Ltd.                                | 101039-0                  | Chicago             | IL                        |
| Carolina Environmental, Inc.                                      | 101768-0                  | Raleigh             | NC                        |
| Carolina Power & Light Company, Harris<br>Energy & Enviro. Center | 100517-0                  | New Hill            | NC                        |
| CDA, Inc., Open Systems Development<br>Group                      | 100364-0                  | McLean              | VA                        |
| CDRH X-Ray Calibration Laboratory                                 | 105018-0                  | Rockville           | MD                        |
| Center For Applied Engineering, Inc.                              | 100417-0                  | St. Petersburg      | FL                        |
| Certelec Laboratories, Inc.                                       | 100351-0                  | Ottawa Ontario      | CANADA                    |
| Certelec Laboratories, Inc.                                       | 100351-1                  | Ogdensburg          | NY                        |
| Chatfield Technical Consulting Limited                            | 101103-0                  | Mississauga Ontario | CANADA                    |
| ChemScope, Inc.                                                   | 101061-0                  | North Haven         | CT                        |
| CHEMTEX Environmental Laboratory, Inc.                            | 200025-0                  | Port Arthur         | TX                        |
| Chomerics Test Services (CTS)                                     | 100296-0                  | Woburn              | MA                        |
| Chopra-Lee, Inc.                                                  | 200095-0                  | Grand Island        | NY                        |
| City of Austin-Holly Chemistry Lab.                               | 200014-0                  | Austin              | TX                        |
| City of Los Angeles Department of Water and<br>Power              | 101111-0                  | Los Angeles         | CA                        |
| City of San Jose, Materials Testing<br>Laboratory                 | 100325-0                  | San Jose            | CA                        |
| Clark County School District                                      | 101220-0                  | Henderson           | NV                        |
| Clayton Environmental Consultants, Inc.                           | 101106-0                  | Seattle             | WA                        |
| Clayton Environmental Consultants, Inc.                           | 101125-0                  | Kennesaw            | GA                        |
| Clinton Power Station                                             | 100570-0                  | Clinton             | IL                        |
| Combustion Engineering, Inc.                                      | 100563-0                  | Windsor             | CT                        |
| ComEd                                                             | 101749-0                  | Bolingbrook         | IL                        |
| Commercial Testing Company                                        | 100120-0                  | Dalton              | GA                        |
| Commonwealth Edison Company                                       | 100541-0                  | Bolingbrook         | IL                        |
| Communication Certification Laboratory                            | 100272-0                  | Salt Lake City      | UT                        |
| Compaq Computer Corp. Emissions Control<br>Lab                    | 200058-0                  | Houston             | TX                        |
| Compatible Electronics, Inc.                                      | 200063-0                  | Brea                | CA                        |
| Compliance Eng. Svces, Inc., Compliance<br>Consulting Services    | 200065-0                  | Sunnyvale           | CA                        |
| Con Edison, Indian Point Station 2                                | 100538-0                  | Buchanan            | NY                        |
| Concord Analysis, Inc.                                            | 101884-0                  | Chatsworth          | CA                        |
| Continental Envirotech, Inc.                                      | 200080-0                  | Mesa                | AZ                        |
| Control Data OSI Accredited Test Center                           | 100354-0                  | Arden Hills         | MN                        |
| Converse Consultants MR, Inc.                                     | 102091-0                  | Reno                | NV                        |
| Cooper Lighting - Metalux Research<br>Laboratories                | 200050-0                  | Americus            | GA                        |
| Coronet Industries, Inc.                                          | 100190-0                  | Dalton              | GA                        |
| Covino Environmental Associates, Inc.                             | 101781-0                  | Woburn              | MA                        |
| Criterion Laboratories, Inc.                                      | 102046-0                  | Bensalem            | PA                        |
| Cryptographic Equipment Assessment Lab.<br>(CEAL)                 | 200002-0                  | McLean              | VA                        |
| CT&E Environmental Services                                       | 101074-0                  | Carlstadt           | NJ                        |
| CT&E Environmental Services, Inc.                                 | 200067-0                  | San Diego           | CA                        |
| CTL Environmental Services                                        | 101216-0                  | South Gate          | CA                        |
| Curtis-Straus LLC                                                 | 200057-0                  | Littleton           | MA                        |
| <b>D</b>                                                          |                           |                     |                           |
| D.L.S. Electronic Systems, Inc.                                   | 100276-0                  | Wheeling            | IL                        |
| D/L Laboratories                                                  | 100252-0                  | New York            | NY                        |
| Daily Analytical Laboratories                                     | 101322-0                  | Peoria              | IL                        |

| LABORATORY NAME                                                      | NVLAP<br>LAB CODE | CITY                   | STATE/<br>COUNTRY |
|----------------------------------------------------------------------|-------------------|------------------------|-------------------|
| Dames & Moore, Inc.                                                  | 101433-0          | Salem                  | NH                |
| Data General Corporation                                             | 100339-0          | Westboro               | MA                |
| DataChem Laboratories                                                | 101917-0          | Cincinnati             | OH                |
| Davis & Floyd, Inc.                                                  | 101410-0          | Greenwood              | SC                |
| DCM Science Laboratory, Inc.                                         | 101258-0          | Lakewood               | CO                |
| Delta Environmental Consultants, Inc.                                | 101966-0          | St. Paul               | MN                |
| Department of Environmental Health<br>Industrial Hygiene Laboratory  | 101530-0          | San Diego              | CA                |
| Design for Health, Inc.                                              | 101864-0          | San Diego              | CA                |
| Detail Associates, Inc.                                              | 102100-0          | Englewood              | NJ                |
| Detecon, Inc. Type Approval Division                                 | 200039-0          | St. Paul               | MN                |
| Detroit Edison, Fermi 2 Dosimetry<br>Laboratory                      | 100529-0          | Newport                | MI                |
| DHMH-Air Quality Laboratory                                          | 101523-0          | Baltimore              | MD                |
| Digital Equipment Corp., EMC Test Facility                           | 200078-0          | Colorado Springs       | CO                |
| Digital Equipment Corporation                                        | 100380-0          | Salem                  | NH                |
| Digital Equipment Corporation, Marlboro                              | 100413-0          | Marlboro               | MA                |
| E.M.C. Test Facilities                                               |                   |                        |                   |
| Diversified Environmental Technologies, Inc.<br>(D.E.T.I.)           | 101621-0          | Oklahoma City          | OK                |
| Dixon Information Inc.                                               | 101012-0          | South Salt Lake        | UT                |
| DLZ Laboratories, Inc.                                               | 101060-0          | Columbus               | OH                |
| Dodge-Regupol, Inc. Laboratory                                       | 200030-0          | Lancaster              | PA                |
| Dolphin Environmental Consultants                                    | 102086-0          | Stafford               | TX                |
| DOMUS Software Limited ITSEC<br>Laboratory                           | 200017-0          | Ottawa Ontario K2P 0G5 | CANADA            |
| Dove Environmental Corporation                                       | 102053-0          | Miami Lakes            | FL                |
| Dow Chemical N. America Foam Products<br>Research, Prod. Perf. Lab.  | 100103-0          | Granville              | OH                |
| Duke Power Company Dosimetry Laboratory                              | 100505-0          | Charlotte              | NC                |
| Duquesne Light Company, Beaver Valley<br>Power Station               | 100521-0          | Shippingport           | PA                |
| <b>E</b>                                                             |                   |                        |                   |
| E. I. du Pont Co.                                                    | 100334-0          | Dalton                 | GA                |
| E. M. Analytical, Inc.                                               | 101902-0          | Dania                  | FL                |
| Eagle Industrial Hygiene Associates, Inc.                            | 101536-0          | Horsham                | PA                |
| EAI, Inc.                                                            | 102114-0          | Jersey City            | NJ                |
| Eastern Analytical Services, Inc.                                    | 101646-0          | Elmsford               | NY                |
| Eastern Materials Testing Laboratory                                 | 100315-0          | New Britain            | CT                |
| Eaton E3 Laboratory                                                  | 100382-0          | Southfield             | MI                |
| Eberline Analytical Corporation                                      | 200026-0          | Richland               | WA                |
| Ecologics Asbestos Laboratory Services                               | 101229-0          | Anaheim                | CA                |
| ECS/Wagner Environmental                                             | 101064-0          | Eugene                 | OR                |
| EEC, Inc.                                                            | 101088-0          | Raleigh                | NC                |
| EG&G Environmental Health PLM<br>Laboratory                          | 101759-0          | Kennedy Space Center   | FL                |
| Electric Boat Corp/A General Dynamics Co.<br>Radiological Ctrl. Dept | 100560-0          | Groton                 | CT                |
| Electro-Analytical, Inc.                                             | 101019-0          | Mentor                 | OH                |
| Elite Electronic Engineering Company                                 | 100278-0          | Downers Grove          | IL                |
| Elliott Laboratories, Inc.                                           | 200069-0          | Sunnyvale              | CA                |
| EMC Compliance Mgmt Group, dba                                       | 200068-0          | Mountain View          | CA                |
| Turntech Scientific & Instr., Inc.                                   |                   |                        |                   |
| EMC Test Lab                                                         | 200052-0          | Austin                 | TX                |

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| <b>LABORATORY NAME</b>                                        | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>      | <b>STATE/<br/>COUNTRY</b> |
|---------------------------------------------------------------|---------------------------|------------------|---------------------------|
| EMG, Company (Environmental Monitoring Group)                 | 200060-0                  | Garden Grove     | CA                        |
| EMS Laboratories, Inc.                                        | 101218-0                  | Pasadena         | CA                        |
| EMSL Analytical, Inc.                                         | 101048-0                  | Westmont         | NJ                        |
| EMSL Analytical, Inc.                                         | 101048-1                  | Smyrna           | GA                        |
| EMSL Analytical, Inc.                                         | 101048-2                  | Piscataway       | NJ                        |
| EMSL Analytical, Inc.                                         | 101048-3                  | San Mateo        | CA                        |
| EMSL Analytical, Inc.                                         | 101048-4                  | Ann Arbor        | MI                        |
| EMSL Analytical, Inc.                                         | 101048-9                  | New York         | NY                        |
| EMSL Analytical, Inc.                                         | 101048-10                 | Carle Place      | NY                        |
| EMSL Analytical, Inc.                                         | 102104-0                  | Greensboro       | NC                        |
| EMSL Analytical, Inc.                                         | 102106-0                  | Houston          | TX                        |
| EMSL Analytical, Inc.                                         | 200019-0                  | Seattle          | WA                        |
| EMSL Analytical, Inc.                                         | 200034-0                  | Dallas           | TX                        |
| EMSL Analytical, Inc.                                         | 200056-0                  | Williamsville    | NY                        |
| ENCORP                                                        | 200013-0                  | Culver City      | CA                        |
| Entek Environmental & Technical Services, Inc.                | 101455-0                  | Troy             | NY                        |
| Entergy Operations, Inc. - Arkansas Nuclear One               | 100535-0                  | Russellville     | AR                        |
| Enviro Techniques, Inc.                                       | 200024-0                  | Paterson         | NJ                        |
| Enviro-Probe, Inc.                                            | 101222-0                  | Bronx            | NY                        |
| EnviroMed Services, Inc.                                      | 101514-0                  | New Haven        | CT                        |
| Environmental Enterprise Group(EEG), Inc.                     | 101587-0                  | Russellville     | AR                        |
| Environmental Hazards Services, Inc.                          | 101882-0                  | Richmond         | VA                        |
| Environmental Health Laboratory                               | 101034-0                  | Cromwell         | CT                        |
| Environmental Health Laboratory                               | 101116-0                  | Macon            | GA                        |
| Environmental Management Consultants, Inc.                    | 101926-0                  | Phoenix          | AZ                        |
| Environmental Monitoring & Consulting Associates              | 101087-0                  | Somerville       | NJ                        |
| Environmental Science & Engineering, Inc.                     | 101991-0                  | Englewood        | CO                        |
| Environmental Service Group                                   | 102029-0                  | Indianapolis     | IN                        |
| Environmental Services, Inc.                                  | 101306-0                  | St. Albans       | WV                        |
| Environmental Support Services, Inc.                          | 101987-0                  | Richardson       | TX                        |
| Environmental Testing Laboratories, Inc.                      | 101937-0                  | Farmingdale      | NY                        |
| Environmental Testing, Inc.                                   | 101848-0                  | Middletown       | DE                        |
| EnvironMETeo Services Inc.                                    | 101807-0                  | Waipahu          | HI                        |
| Envirotest, Inc.                                              | 101595-0                  | Houston          | TX                        |
| ERI Consulting Engineers, Inc.                                | 101232-0                  | Tyler            | TX                        |
| ERT Testing Services                                          | 101295-0                  | Highland Park    | MI                        |
| EssTek Ohio, Inc.                                             | 102093-0                  | Cleveland        | OH                        |
| Evans Environmental & Geological Science and Management, Inc. | 101775-0                  | Miami            | FL                        |
| <b>F</b>                                                      |                           |                  |                           |
| Fairfield Testing Laboratory, Inc.                            | 100317-0                  | Stamford         | CT                        |
| Fairway Testing Company, Inc.                                 | 100340-0                  | Stony Point      | NY                        |
| Fiberquant, Inc.                                              | 101031-0                  | Phoenix          | AZ                        |
| Fibertec, Inc.                                                | 101510-0                  | Holt             | MI                        |
| Florida Power & Light Company                                 | 100544-0                  | Juno Beach       | FL                        |
| Fluke Corporation Primary Standards Laboratory                | 105016-0                  | Everett          | WA                        |
| Fluor Daniel Fernald, Inc.                                    | 102010-0                  | Cincinnati       | OH                        |
| Forensic Analytical Specialties, Inc.                         | 101459-0                  | Hayward          | CA                        |
| Forensic Analytical Specialties, Inc.                         | 101459-1                  | Rancho Domingues | CA                        |

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| <b>LABORATORY NAME</b>                                               | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>    | <b>STATE/<br/>COUNTRY</b> |
|----------------------------------------------------------------------|---------------------------|----------------|---------------------------|
| Froehling & Robertson, Inc.                                          | 102060-0                  | Richmond       | VA                        |
| FRS Geotech, Inc.                                                    | 102078-0                  | Denver         | CO                        |
| Fugro Environmental, Inc.                                            | 101148-0                  | Houston        | TX                        |
| <b>G</b>                                                             |                           |                |                           |
| GA Environmental Services, Inc.                                      | 101996-0                  | Eddystone      | PA                        |
| Galson Laboratories                                                  | 101375-0                  | East Syracuse  | NY                        |
| GCI Environmental Advisory, Inc.                                     | 101820-0                  | Wilkes-Barre   | PA                        |
| GE Lighting- Technical Support                                       | 100398-0                  | Cleveland      | OH                        |
| Gelles Laboratories, Inc.                                            | 101170-0                  | Columbus       | OH                        |
| Geo-Analytical Services, Inc.                                        | 102082-0                  | Atlanta        | GA                        |
| Georgia Department of Agriculture Weights<br>and Measures Laboratory | 105006-0                  | Forest Park    | GA                        |
| Georgia Power Company/Enviro. Affairs,<br>Enviro. Lab-Dosimetry      | 100551-0                  | Smyrna         | GA                        |
| Geoscience Ltd.                                                      | 100142-0                  | San Diego      | CA                        |
| GHP Laboratories                                                     | 102098-0                  | Nashville      | TN                        |
| Ginna Nuclear Station                                                | 100514-0                  | Ontario        | NY                        |
| GLE Associates, Inc.                                                 | 102003-0                  | Tampa          | FL                        |
| Global EMC Standard Tech. Corp.                                      | 200085-0                  | Taipei County  | TAIWAN                    |
| GPU Nuclear Chemistry/Materials Labs.                                | 102064-0                  | Reading        | PA                        |
| GPU Nuclear Corp. Nuclear Services<br>Division                       | 100510-0                  | Middletown     | PA                        |
| GSC Environmental Laboratories, Inc.                                 | 101626-0                  | Augusta        | GA                        |
| <b>H</b>                                                             |                           |                |                           |
| H.C. Nutting Company                                                 | 100131-0                  | Cincinnati     | OH                        |
| Health & Hygiene, Inc.                                               | 101159-0                  | Greensboro     | NC                        |
| Health Physics Northwest                                             | 100567-0                  | Tigard         | OR                        |
| Health Science Associates                                            | 101384-0                  | Los Alamitos   | CA                        |
| Henderson/Longfellow Associates, Inc.                                | 102077-0                  | Brandon        | FL                        |
| Henry Troemner, Inc.                                                 | 105013-0                  | Philadelphia   | PA                        |
| Hi-Tech Environmental and Laboratory<br>Services                     | 102013-0                  | Cypress        | CA                        |
| HIH Laboratory, Inc.                                                 | 101233-0                  | Webster        | TX                        |
| Hillmann Environmental Company                                       | 101421-0                  | Union          | NJ                        |
| Hollytex Carpet Mills, Inc.                                          | 100247-0                  | Anadarko       | OK                        |
| Holometrix, Inc.                                                     | 100113-0                  | Bedford        | MA                        |
| Hub Testing Laboratory, Inc.                                         | 101045-0                  | Waltham        | MA                        |
| Hubbell Lighting Photometric Laboratory                              | 200020-0                  | Christiansburg | VA                        |
| Hufcor Laboratory                                                    | 100239-0                  | Janesville     | WI                        |
| Hygeia Environmental Inc.                                            | 102068-0                  | Dedham         | MA                        |
| Hygeia Environmental Laboratories, Inc.                              | 102116-0                  | Sierra Madre   | CA                        |
| Hygeia ProScience Laboratories, Inc.                                 | 101011-0                  | Woburn         | MA                        |
| HYGENIX, INC.                                                        | 101199-0                  | Stamford       | CT                        |
| Hygieneering, Inc.                                                   | 101997-0                  | Burr Ridge     | IL                        |
| Hygienetics Laboratory Services                                      | 101147-0                  | Boston         | MA                        |
| <b>I</b>                                                             |                           |                |                           |
| IBM Hudson Valley Acoustics Laboratory                               | 100323-0                  | Poughkeepsie   | NY                        |
| ICN Dosimetry Div., ICN Pharmaceuticals,<br>Inc.                     | 100555-0                  | Costa Mesa     | CA                        |
| ICN Dosimetry Services, H.E. Division                                | 100532-0                  | Costa Mesa     | CA                        |
| IEA - Massachusetts                                                  | 101005-0                  | N. Billerica   | MA                        |
| Inchcape Testing Services NA, Inc.                                   | 100270-0                  | Boxborough     | MA                        |

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| <b>LABORATORY NAME</b>                                           | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>        | <b>STATE/<br/>COUNTRY</b> |
|------------------------------------------------------------------|---------------------------|--------------------|---------------------------|
| Inchcape Testing Services NA, Inc.                               | 100274-0                  | Lexington          | KY                        |
| Inchcape Testing Services NA, Inc.                               | 100402-0                  | Cortland           | NY                        |
| Inchcape Testing Services NA, Inc.                               | 100409-0                  | Norcross           | GA                        |
| Inchcape Testing Services NA, Inc.                               | 101468-0                  | Baton Rouge        | LA                        |
| Inchcape Testing Services NA, Inc.                               | 200031-0                  | Middleton          | WI                        |
| Inchcape Testing Services NA, Inc.                               | 200049-0                  | Lake Elmo          | MN                        |
| Independent Materials Testing Laboratories,<br>Inc.              | 100316-0                  | Plainville         | CT                        |
| Independent Textile Testing Service, Inc.                        | 100166-0                  | Dalton             | GA                        |
| Industrial Acoustics Company, Inc.,<br>Aero-Acoustics Laboratory | 100404-0                  | Bronx              | NY                        |
| Industrial Hygiene & Safety Technology, Inc.                     | 101634-0                  | Dallas             | TX                        |
| Industrial Laboratory                                            | 102115-0                  | Portsmouth         | VA                        |
| Industrial Testing Laboratories, Inc.                            | 101072-0                  | St. Louis          | MO                        |
| InfoGard Laboratories                                            | 100432-0                  | San Luis Obispo    | CA                        |
| Inland Foundation Engineering, Inc.                              | 100406-0                  | San Jacinto        | CA                        |
| Insta-Foam Products, Inc.                                        | 100210-0                  | Joliet             | IL                        |
| Institute for Environmental Assessment                           | 101249-0                  | Brooklyn Park      | MN                        |
| Instron Force Calibration Laboratory                             | 105023-0                  | Canton             | MA                        |
| Instrument Specialties Co., Inc.                                 | 200076-0                  | Delaware Water Gap | PA                        |
| Integrity Design & Test Services, Inc.                           | 200004-0                  | Littleton          | MA                        |
| Intellistor Open Area Test Site                                  | 100396-0                  | Rollinsville       | CO                        |
| International Asbestos Testing Laboratory                        | 101165-0                  | Mt. Laurel         | NJ                        |
| International Compliance Corporation                             | 100426-0                  | Lewisville         | TX                        |
| Iowa Environmental Services, Inc.                                | 101990-0                  | Des Moines         | IA                        |
| IPS Corporation                                                  | 200012-0                  | Nagano             | JAPAN                     |

**J**

|                                     |          |          |    |
|-------------------------------------|----------|----------|----|
| Jimmie Ann Bolton                   | 101735-0 | Austin   | TX |
| JLC Environmental Consultants, Inc. | 101953-0 | New York | NY |
| JMS Environmental Associates, Ltd.  | 102012-0 | Westmont | IL |

**K**

|                                                |          |                  |    |
|------------------------------------------------|----------|------------------|----|
| KAM Consultants                                | 102047-0 | Long Island City | NY |
| Kelco Services, Inc.                           | 101331-0 | Fremont          | CA |
| KETER Consultants, Inc.                        | 101727-0 | Willow Springs   | IL |
| Kevco Services, Inc.                           | 101941-0 | Butler           | PA |
| Kingston Environmental Laboratory              | 200041-0 | Lee's Summit     | MO |
| Knauf Fiber Glass Research Laboratory          | 100248-0 | Shelbyville      | IN |
| Knoxville Branch Laboratory-TN Dept.<br>Health | 101496-0 | Knoxville        | TN |

**L**

|                                                     |          |                |    |
|-----------------------------------------------------|----------|----------------|----|
| Lab/Cor, Inc.                                       | 101920-0 | Seattle        | WA |
| Labcorp Analytics Laboratory                        | 101004-0 | Richmond       | VA |
| Landauer, Inc.                                      | 100518-0 | Glenwood       | IL |
| Larron Laboratory                                   | 101415-0 | Cape Girardeau | MO |
| Law Engineering and Environmental<br>Services, Inc. | 101066-0 | Birmingham     | AL |
| Law Engineering and Environmental<br>Services, Inc. | 101226-0 | Charlotte      | NC |
| Law Engineering and Environmental<br>Services, Inc. | 101515-0 | Tampa          | FL |
| Law Engineering and Environmental<br>Services, Inc. | 101515-1 | Miami Lakes    | FL |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| <b>LABORATORY NAME</b>                                            | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>      | <b>STATE/<br/>COUNTRY</b> |
|-------------------------------------------------------------------|---------------------------|------------------|---------------------------|
| Law Engineering and Environmental Services, Inc.                  | 101847-0                  | Chantilly        | VA                        |
| Law Engineering and Environmental Services, Inc.                  | 101973-0                  | Dallas           | TX                        |
| Law Engineering, Inc.                                             | 101152-0                  | Houston          | TX                        |
| Law/Crandall                                                      | 102035-0                  | Phoenix          | AZ                        |
| Legend Technical Services, Inc.                                   | 102081-0                  | St. Paul         | MN                        |
| Levecque Technical Center                                         | 100101-0                  | Blue Bell        | PA                        |
| LEX Scientific Inc.                                               | 101949-0                  | Guelph Ontario   | CANADA                    |
| LG Electronics, Inc., Quality and Reliability Center              | 200040-0                  | Seoul            | KOREA                     |
| Lithonia Testing Laboratories                                     | 200007-0                  | Conyers          | GA                        |
| Lockheed Martin Missiles & Space                                  | 105017-0                  | Sunnyvale        | CA                        |
| Lockheed Martin Utility Services, Inc.                            | 101383-0                  | Piketon          | OH                        |
| Loflin Environmental Services                                     | 102044-0                  | Houston          | TX                        |
| Los Angeles Harbor Department Testing Laboratory                  | 102020-0                  | Wilmington       | CA                        |
| Los Angeles Unified School District                               | 101505-0                  | Los Angeles      | CA                        |
| Louisiana Department of Environmental Quality Microanalytical Lab | 102000-0                  | Baton Rouge      | LA                        |
| Lucent Technologies, Global Product Compliance Lab                | 100275-0                  | Holmdel          | NJ                        |
| <b>m</b>                                                          |                           |                  |                           |
| m.a.c. Paran Consulting Services, Inc.                            | 102108-0                  | Amelia           | OH                        |
| <b>M</b>                                                          |                           |                  |                           |
| M.S.L. Guardian                                                   | 101399-0                  | Louisville       | KY                        |
| MacMillan Bloedel Packaging, Inc., Combined Board Test Lab        | 100259-0                  | Pine Hill        | AL                        |
| MACS Lab, Inc.                                                    | 101948-0                  | Santa Clara      | CA                        |
| Mallinckrodt Group, Inc.                                          | 100503-0                  | Maryland Heights | MO                        |
| ManTech Environmental Corporation                                 | 101277-0                  | Rockville        | MD                        |
| Marine Chemist Service, Inc.                                      | 101425-0                  | Newport News     | VA                        |
| Materials Analytical Services, Inc.                               | 101235-0                  | Norcross         | GA                        |
| Materials Testing, Inc.                                           | 100320-0                  | Milford          | CT                        |
| Matsushita EMC Center                                             | 100428-0                  | Taki-gun, Hyogo  | JAPAN                     |
| Maxim Technologies, Inc.                                          | 101091-0                  | Dallas           | TX                        |
| Maxim Technologies, Inc.                                          | 101091-1                  | Houston          | TX                        |
| Maxim Technologies, Inc.                                          | 101292-0                  | Billings         | MT                        |
| Maxim Technologies, Inc.                                          | 200046-0                  | St. Paul         | MN                        |
| McCall and Spero Environmental, Inc.                              | 101895-0                  | Louisville       | KY                        |
| McKee Environmental Health, Inc.                                  | 101135-0                  | Friendswood      | TX                        |
| MDS Laboratories                                                  | 101262-0                  | Reading          | PA                        |
| MET Laboratories, Inc.                                            | 100273-0                  | Baltimore        | MD                        |
| Michael & Associates                                              | 100427-0                  | State College    | PA                        |
| Micro Air of Texas, Inc.                                          | 102008-0                  | Houston          | TX                        |
| Micro Air, Inc.                                                   | 101221-0                  | Indianapolis     | IN                        |
| Micro Analytical Laboratories, Inc.                               | 101151-0                  | Gainesville      | FL                        |
| Micro Analytical Laboratories, Inc.                               | 101872-0                  | Emeryville       | CA                        |
| Micro Analytical Laboratories, Inc.                               | 200054-0                  | San Francisco    | CA                        |
| Micro Analytical, Inc.                                            | 101247-0                  | Milwaukee        | WI                        |
| Microbac Laboratories, Inc.                                       | 101035-0                  | Erie             | PA                        |
| Microscopic Analysis, Inc.                                        | 101037-0                  | St. Louis        | MO                        |
| Midwest Laboratories, Inc.                                        | 101894-0                  | Countryside      | IL                        |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| <b>LABORATORY NAME</b>                                       | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>         | <b>STATE/<br/>COUNTRY</b> |
|--------------------------------------------------------------|---------------------------|---------------------|---------------------------|
| Milan Asbestos Laboratory                                    | 102095-0                  | Milan               | MN                        |
| Mindcraft, Inc.                                              | 100342-0                  | Palo Alto           | CA                        |
| Minnesota Metrology Laboratory                               | 105003-0                  | St. Paul            | MN                        |
| Mohawk Industries, Inc., Karastan Rug Mill<br>Testing        | 100178-0                  | Eden                | NC                        |
| Mohawk Industries, Inc.- Lyerly Plant                        | 100156-0                  | Lyerly              | GA                        |
| Motorola Product Quality Assurance<br>Laboratory             | 200005-0                  | Mansfield           | MA                        |
| Motorola SSTG EMC/TEMPEST Laboratory                         | 100405-0                  | Scottsdale          | AZ                        |
| Mountain Laboratories                                        | 101890-0                  | Spokane             | WA                        |
| Mountaineer Testing Laboratories, Inc.                       | 101784-0                  | Lewisburg           | WV                        |
| MRS., Analytical Laboratory, Inc.                            | 102113-0                  | Louisville          | KY                        |
| Muranaka Environmental Consultants, Inc.                     | 102085-0                  | Honolulu            | HI                        |
| Mystic Air Quality Consultants, Inc.                         | 101282-0                  | Groton              | CT                        |
| <b>N</b>                                                     |                           |                     |                           |
| NAHB Research Center, Inc.                                   | 100104-0                  | Upper Marlboro      | MD                        |
| National Analytical Laboratories, Inc.                       | 102080-0                  | Roseville           | CA                        |
| National Computing Centre Ltd.                               | 100357-0                  | Manchester          | UNITED KINGDOM            |
| National Econ Corporation                                    | 102062-0                  | Irvine              | CA                        |
| National Econ Corporation                                    | 200047-0                  | Memphis             | TN                        |
| National Enforcement Investigations Center -<br>U.S. EPA     | 101703-0                  | Denver              | CO                        |
| National Environmental Reference<br>Laboratory               | 101593-0                  | Denver              | CO                        |
| National Particleboard Association                           | 100418-0                  | Gaithersburg        | MD                        |
| National Testing Laboratories, Inc.                          | 101428-0                  | Long Island City    | NY                        |
| Naval Dosimetry Center                                       | 100504-0                  | Bethesda            | MD                        |
| Naval Nuclear Propulsion Program<br>Directorate              | 100565-0                  | Bremerton           | WA                        |
| NAWC AD 5.I.7.3. EMI Lab                                     | 100408-0                  | Patuxent River      | MD                        |
| New York Testing Laboratories, Inc.                          | 101332-0                  | West Babylon        | NY                        |
| Newport News Shipbuilding Radiological<br>Control Department | 100561-0                  | Newport News        | VA                        |
| Niagara Mohawk Power Corporation - Nine<br>Mile Point        | 100553-0                  | Lycoming            | NY                        |
| Niche Analysis, Inc.                                         | 102057-0                  | Mount Vernon        | NY                        |
| NJSP Calibration Laboratory                                  | 200006-0                  | Princeton           | NJ                        |
| Norand EMC Test Laboratory                                   | 100269-0                  | Cedar Rapids        | IA                        |
| North American Analytical Labs, Inc.                         | 101782-0                  | Abilene             | TX                        |
| North Anna Power Station                                     | 100520-0                  | Mineral             | VA                        |
| Northeast Test Consultants                                   | 101565-0                  | Westbrook           | ME                        |
| Northeast Utilities Service Company<br>Dosimetry Laboratory  | 100540-0                  | Newington           | CT                        |
| Northern Telecom BVW Lab                                     | 200098-0                  | Belleville, Ontario | CANADA                    |
| Northern Telecom Inc. (MCS)                                  | 100411-0                  | Santa Clara         | CA                        |
| Northern Testing Laboratories, Inc.                          | 101463-0                  | Fairbanks           | AK                        |
| Northwest EMC, Inc.                                          | 200059-0                  | Newberg             | OR                        |
| Northwest Envirocon, Inc.                                    | 101869-0                  | Vancouver           | WA                        |
| Northwest Envirocon, Inc.                                    | 101869-2                  | Muscle Shoals       | AL                        |
| NOVA Environmental Services, Inc.                            | 101545-0                  | Chaska              | MN                        |
| NVL Laboratories, Inc.                                       | 102063-0                  | Seattle             | WA                        |
| NY Environmental & Material Testing<br>Laboratories, Inc.    | 101967-0                  | Port Washington     | NY                        |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| <b>LABORATORY NAME</b>                                               | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>                | <b>STATE/<br/>COUNTRY</b> |
|----------------------------------------------------------------------|---------------------------|----------------------------|---------------------------|
| <b>O</b>                                                             |                           |                            |                           |
| O'Brien & Gere Laboratories, Inc.                                    | 101343-0                  | Syracuse                   | NY                        |
| Oak Ridge Metrology Center, Dimensional<br>Metrology                 | 105000-0                  | Oak Ridge                  | TN                        |
| OCCU-TEC, Inc.                                                       | 102025-0                  | Kansas City                | MO                        |
| Occupational Health Conservation, Inc.                               | 102050-0                  | Jacksonville               | FL                        |
| Occupational Health Technologies, Inc.                               | 101436-0                  | Colorado Springs           | CO                        |
| Oklahoma Dept. of Environmental<br>Quality-State Environmental Lab   | 102112-0                  | Oklahoma City              | OK                        |
| Omega Environmental Services                                         | 101289-0                  | Hackensack                 | NJ                        |
| Omni Environmental, Inc.                                             | 102061-0                  | Austin                     | TX                        |
| Open Systems Environment Testing<br>Laboratory                       | 100385-0                  | Ft. Huachuca               | AZ                        |
| Osram Sylvania Inc., Test & Measurements<br>Laboratory               | 100403-0                  | Beverly                    | MA                        |
| Owens Corning - Granville                                            | 100109-0                  | Granville                  | OH                        |
| <b>P</b>                                                             |                           |                            |                           |
| PA DEP Bureau of Laboratories                                        | 101323-0                  | Harrisburg                 | PA                        |
| Pacific Environmental Services, Inc.                                 | 101190-0                  | Herndon                    | VA                        |
| Pacific Gas & Electric Company, Diablo<br>Canyon Nuclear Power Plant | 100537-0                  | Avila Beach                | CA                        |
| Pacific Northwest National Laboratory                                | 105020-0                  | Richland                   | WA                        |
| PBS Environmental Building Consultants,<br>Inc.                      | 101910-0                  | Portland                   | OR                        |
| PCTEST Engineering Laboratory, Inc.                                  | 100431-0                  | Columbia                   | MD                        |
| PDE Laboratories                                                     | 200082-0                  | San Clemente               | CA                        |
| PDR Environmental Laboratories                                       | 101479-0                  | Nashville                  | TN                        |
| Pennsylvania Power and Light Company                                 | 100554-0                  | Allentown                  | PA                        |
| Perennial, Inc.                                                      | 100344-0                  | Santa Clara                | CA                        |
| PFS Corporation                                                      | 100421-0                  | Madison                    | WI                        |
| PHH Environmental Limited                                            | 101675-0                  | Richmond, British Columbia | CANADA                    |
| Philip Environmental Services Corp.                                  | 101192-0                  | Columbia                   | IL                        |
| Philips Lighting Corporate Calibration &<br>Standards Laboratory     | 100399-0                  | Fairmont                   | WV                        |
| Pinchin Environmental Consultants Ltd.                               | 101270-0                  | Mississauga Ontario        | CANADA                    |
| Pinchin LeBlanc Environmental Ltd.                                   | 101270-1                  | Dartmouth N.S.             | CANADA                    |
| PMK Group, Inc.                                                      | 101301-0                  | Kenilworth                 | NJ                        |
| Portsmouth Gaseous Diffusion Plant                                   | 100574-0                  | Piketon                    | OH                        |
| Precision Environmental Services, Inc.                               | 101631-0                  | Tukwila                    | WA                        |
| Precision Micro-Analysis, Inc.                                       | 101656-0                  | Sacramento                 | CA                        |
| Precision Testing Laboratories, Inc.                                 | 101580-0                  | Moore                      | OK                        |
| Prezant Associates, Inc.                                             | 101886-0                  | Seattle                    | WA                        |
| PRIMES (Preflight Integration of Munitions<br>& Electronic Systems)  | 100422-0                  | Eglin Air Force Base       | FL                        |
| Pro-Ac, Inc.                                                         | 101585-0                  | Cincinnati                 | OH                        |
| Professional Service Industries, Inc.                                | 101342-0                  | Lawrence                   | KS                        |
| Professional Service Industries, Inc.,<br>Pittsburgh Test. Lab. Div. | 100430-0                  | Eugene                     | OR                        |
| Professional Testing Laboratory, Inc.                                | 100297-0                  | Dalton                     | GA                        |
| ProScience Analytical Services, Inc.                                 | 200090-0                  | Woburn                     | MA                        |
| Proxtronics, Inc.                                                    | 100573-0                  | Burke                      | VA                        |
| PSI                                                                  | 100319-0                  | New Haven                  | CT                        |
| PSI                                                                  | 101350-0                  | Pittsburgh                 | PA                        |

| LABORATORY NAME            | NVLAP<br>LAB CODE | CITY        | STATE/<br>COUNTRY |
|----------------------------|-------------------|-------------|-------------------|
| PSI                        | 101755-0          | New York    | NY                |
| PSI                        | 101970-0          | Brea        | CA                |
| PSI, Inc.                  | 101070-0          | Farmingdale | NY                |
| Puget Sound Naval Shipyard | 101539-0          | Bremerton   | WA                |

**Q**

|                                   |          |               |    |
|-----------------------------------|----------|---------------|----|
| QuanTEM Laboratories, LLC         | 101959-0 | Oklahoma City | OK |
| Queen Carpet Test Laboratory      | 100429-0 | Dalton        | GA |
| Quest Engineering Solutions, Inc. | 200036-0 | Billerica     | MA |
| Quest Industrial Inc.             | 101062-0 | Youngstown    | OH |

**R**

|                                                          |          |                   |        |
|----------------------------------------------------------|----------|-------------------|--------|
| R & B Enterprises                                        | 100280-0 | West Conshohocken | PA     |
| R. Robinson Analytical Services, Inc.                    | 102041-0 | Pensacola         | FL     |
| Radiation Detection Company                              | 100512-0 | Sunnyvale         | CA     |
| Radiation Laboratory, Taiwan Power Company               | 100562-0 | Shihmen Taipei    | TAIWAN |
| Rapid Environmental Management, Inc.                     | 101974-0 | Great Neck        | NY     |
| RCM Laboratories, Inc.                                   | 101853-0 | Brookfield        | IL     |
| Recon Environmental Corp.                                | 102079-0 | Weymouth          | MA     |
| Reservoirs Environmental Services, Inc.                  | 101896-0 | Denver            | CO     |
| Reservoirs Environmental Services, Inc.                  | 101896-1 | Houston           | TX     |
| Resources, Applications, Designs & Control, Inc. (RADCO) | 100261-0 | Long Beach        | CA     |
| Retlif Testing Laboratories                              | 100267-0 | Ronkonkoma        | NY     |
| Retlif Testing Laboratories                              | 100267-1 | Goffstown         | NH     |
| Rhein Tech Laboratories, Inc.                            | 200061-0 | Herndon           | VA     |
| RI Analytical Laboratories, Inc.                         | 101440-0 | Warwick           | RI     |
| Rice Lake Weighing Systems                               | 105001-0 | Rice Lake         | WI     |
| Riverbank Acoustical Laboratories                        | 100227-0 | Geneva            | IL     |
| Riverside County Department of Environmental Health      | 101145-0 | Riverside         | CA     |
| RJ Lee Group, Inc.                                       | 101208-0 | Monroeville       | PA     |
| RJ Lee Group, Inc.                                       | 101208-2 | San Leandro       | CA     |
| RJ Lee Group, Inc.                                       | 101208-3 | Manassas          | VA     |
| RJ Lee Group, Inc.                                       | 101208-5 | Houston           | TX     |
| Rockford Engineering Services                            | 200075-0 | St. Leonard       | MD     |
| Roy F. Weston, Inc.                                      | 101254-0 | Auburn            | AL     |
| Rust Federal Services of Hanford, Inc.                   | 101058-0 | Richland          | WA     |

**S**

|                                                         |          |             |    |
|---------------------------------------------------------|----------|-------------|----|
| S&ME, Inc.                                              | 102075-0 | Charlotte   | NC |
| Safe Environment of America                             | 102021-0 | Kent        | WA |
| Safety Environmental Laboratories, Inc.                 | 101588-0 | Birmingham  | AL |
| San Joaquin Environmental, Inc.                         | 102117-0 | Fresno      | CA |
| Sandia National Laboratories                            | 105002-0 | Albuquerque | NM |
| Schneider Laboratories, Inc.                            | 101150-0 | Richmond    | VA |
| Schuller International, Inc., Mountain Technical Center | 100425-0 | Littleton   | CO |
| Scientific Laboratories, Inc.                           | 101904-0 | Richmond    | VA |
| Scientific Laboratories, Inc.                           | 101904-1 | New York    | NY |
| Scope Laboratory                                        | 102107-0 | Los Angeles | CA |
| SEAS, Inc.                                              | 101185-0 | Blacksburg  | VA |
| SGS U.S. Testing Company, Inc.                          | 100416-0 | Tulsa       | OK |
| Shaw Industries, Inc., Technical Services               | 100193-0 | Dalton      | GA |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| LABORATORY NAME                                                     | NVLAP<br>LAB CODE | CITY             | STATE/<br>COUNTRY |
|---------------------------------------------------------------------|-------------------|------------------|-------------------|
| Solar Environmental Services, Inc.                                  | 102006-0          | Anchorage        | AK                |
| South Carolina Department of Health &<br>Environmental Control      | 101572-0          | Columbia         | SC                |
| South Coast Air Quality Management District                         | 101567-0          | Diamond Bar      | CA                |
| South Texas Project Dosimetry Laboratory                            | 100519-0          | Wadsworth        | TX                |
| Southern California Edison                                          | 100506-0          | San Clemente     | CA                |
| Southern California Edison Company                                  | 105014-0          | Westminster      | CA                |
| Special Testing Laboratories, Inc.                                  | 100308-0          | Bethel           | CT                |
| Spectrum Research & Testing Laboratory,<br>Inc.                     | 200099-0          | Chun-Li, Taoyuan | TAIWAN            |
| Spectrum Research & Testing Laboratory,<br>Inc.                     | 200100-0          | Owing            | MD                |
| SSM/Laboratories, Inc.                                              | 101112-0          | Reading          | PA                |
| St. Louis County Department of Health                               | 101506-0          | Clayton          | MO                |
| St. of California, Bur. of Home Furnishings<br>& Thermal Insulation | 100251-0          | North Highlands  | CA                |
| Standard Testing and Engineering Company                            | 101053-0          | Oklahoma City    | OK                |
| Stanley Engineering Inc.                                            | 101568-0          | Oklahoma City    | OK                |
| STAT Analysis Corporation                                           | 101202-0          | Chicago          | IL                |
| State of Connecticut                                                | 101237-0          | Hartford         | CT                |
| State of Virginia Metrology Lab                                     | 105007-0          | Richmond         | VA                |
| Steve Moody Micro Services, Inc.                                    | 102056-0          | Carrollton       | TX                |
| STS Consultants, Ltd.                                               | 100191-0          | Northbrook       | IL                |
| Sun City Analytical, Inc.                                           | 101870-0          | El Paso          | TX                |

**T**

|                                                                     |          |                     |        |
|---------------------------------------------------------------------|----------|---------------------|--------|
| TAKA Analytical Services, Inc.                                      | 101724-0 | Northport           | NY     |
| Taylor Environmental Group, Inc.                                    | 102101-0 | Floral Park         | NY     |
| TC Analytics, Inc.                                                  | 101672-0 | Norfolk             | VA     |
| Technical Services Laboratory                                       | 101558-0 | Long Island City    | NY     |
| Technology Products Assurance                                       | 200055-0 | North York, Ontario | CANADA |
| Teledyne Brown Engineering Environmental<br>Services                | 100533-0 | Westwood            | NJ     |
| TEM, Incorporated                                                   | 101130-0 | Glen Ellyn          | IL     |
| Tennessee Valley Authority External<br>Dosimetry Service            | 100516-0 | Soddy-Daisy         | TN     |
| Tennessee Valley Authority, Western Area<br>Radiological Laboratory | 200022-0 | Muscle Shoals       | AL     |
| Terra-Mar, Inc.                                                     | 101940-0 | Fort Worth          | TX     |
| TerraNext                                                           | 101162-0 | Dallas              | TX     |
| Test Site Services, Inc.                                            | 100419-0 | Marlboro            | MA     |
| Test-Con Incorporated                                               | 200018-0 | Danbury             | CT     |
| Testing Mechanics Corp.                                             | 102001-0 | Seaford             | NY     |
| Testwell Craig Laboratories & Consultants,<br>Inc.                  | 102096-0 | Davie               | FL     |
| Testwell Craig Laboratories, Inc.                                   | 200083-0 | Ossining            | NY     |
| Testwell Craig Testing Laboratories, Inc.                           | 200083-1 | Mays Landing        | NJ     |
| The Scott Lawson Group, Ltd.                                        | 101228-0 | Concord             | NH     |
| Thermo NUtech                                                       | 100515-0 | Albuquerque         | NM     |
| Thomas Lighting C & I Division,<br>Photometric Laboratory           | 200016-0 | Tupelo              | MS     |
| Timberco, Inc.- dba TECO                                            | 100420-0 | Eugene              | OR     |
| TolTest, Inc.                                                       | 101594-0 | Toledo              | OH     |
| TRC Environmental Corporation                                       | 101424-0 | Windsor             | CT     |
| Tremco, Inc./BFGoodrich - Roofing Division                          | 101188-0 | Beachwood           | OH     |

**INDEX A. LISTING BY LABORATORY NAME - continued**

| <b>LABORATORY NAME</b>                                             | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>            | <b>STATE/<br/>COUNTRY</b> |
|--------------------------------------------------------------------|---------------------------|------------------------|---------------------------|
| Tri-State Materials Testing Lab, Inc.                              | 200010-0                  | Newington              | CT                        |
| Triad, Inc.                                                        | 102073-0                  | Huntington             | WV                        |
| Troxler Radiation Monitoring Svc. a div. of<br>Troxler Elect. Labs | 100559-0                  | Research Triangle Park | NC                        |
| TSI, Testing Services, Inc.                                        | 100108-0                  | Dalton                 | GA                        |
| TU Electric-Comanche Peak Steam Electric<br>Station                | 100528-0                  | Glen Rose              | TX                        |
| TUV Product Service, Inc.                                          | 100268-0                  | San Diego              | CA                        |
| TUV Product Service, Inc.                                          | 100271-0                  | New Brighton           | MN                        |
| TUV Product Service, Inc.                                          | 100271-1                  | Lyons                  | CO                        |
| Twin Ports Testing, Inc.                                           | 102083-0                  | Superior               | WI                        |

**U**

|                                                                  |          |                              |        |
|------------------------------------------------------------------|----------|------------------------------|--------|
| U.S. Army Center for Health Promotion and<br>Preventive Medicine | 200044-0 | Aberdeen Proving Ground      | MD     |
| U.S. Army Ionizing Radiation Dosimetry<br>Center (USAIRDC)       | 100539-0 | Redstone Arsenal             | AL     |
| U.S. Army Primary Standards Laboratory                           | 105004-0 | Redstone Arsenal             | AL     |
| UltraTech Engineering Labs Inc.                                  | 200093-0 | Mississauga, Ontario L5L 5R2 | CANADA |
| Underwriters Laboratories Inc.                                   | 100414-0 | Northbrook                   | IL     |
| Underwriters Laboratories, Inc.                                  | 100255-0 | Melville                     | NY     |
| Union Electric Company, Callaway Plant                           | 100502-0 | Fulton                       | MO     |
| UNISYS-Systems Certification                                     | 100367-0 | Paoli                        | PA     |
| United Analytical Services, Inc.                                 | 101732-0 | Hillside                     | IL     |
| United States Dosimetry Technology, Inc.                         | 100571-0 | Richland                     | WA     |
| University (State) Hygienic Laboratory                           | 101288-0 | Iowa City                    | IA     |
| University of Alabama Asbestos Laboratory                        | 102005-0 | Tuscaloosa                   | AL     |
| USAF Armstrong Laboratory/OEBD                                   | 100548-0 | Brooks AFB                   | TX     |

**V**

|                                   |          |                             |        |
|-----------------------------------|----------|-----------------------------|--------|
| Vanasse Hangen Brustlin, Inc.     | 100400-0 | Watertown                   | MA     |
| Vartest Laboratories, Inc.        | 200027-0 | New York                    | NY     |
| Versar, Inc.                      | 101122-0 | Springfield                 | VA     |
| Vibro-Acoustics Laboratory        | 100424-0 | Scarborough Ontario MIX 1A2 | CANADA |
| Volz Environmental Services, Inc. | 101269-0 | Pittsburgh                  | PA     |
| Vortex Inc./DBA V-Lab             | 102105-0 | Warwick                     | RI     |

**W**

|                                                                    |          |              |    |
|--------------------------------------------------------------------|----------|--------------|----|
| Washington Laboratories, Ltd.                                      | 200066-0 | Gaithersburg | MD |
| Washington Metropolitan Area Transit<br>Authority QLAS Laboratory  | 100313-0 | Washington   | DC |
| Water, Earth Solutions & Technologies, Inc.                        | 102043-0 | Dallas       | TX |
| Wausau Insurance Companies                                         | 101079-0 | Wausau       | WI |
| Wayne Langston, Inc.                                               | 200021-0 | League City  | TX |
| Webber Gage Division / L.S. Starrett Co.                           | 200038-0 | Cleveland    | OH |
| West Allis Memorial Hospital                                       | 101661-0 | West Allis   | WI |
| Western Analytical Laboratory                                      | 200037-0 | Burbank      | CA |
| Western Electro-Acoustic Lab., Inc.                                | 100256-0 | Santa Monica | CA |
| Westinghouse Electric Corporation                                  | 100569-1 | Spartanburg  | SC |
| Westinghouse Electric Corporation Nuclear<br>Services Div. TLD Lab | 100569-0 | Madison      | PA |
| White Environmental Consultants Inc.                               | 200124-0 | Anchorage    | AK |
| Willamette Industries, Inc. West Coast<br>Development Lab          | 200045-0 | Wilsonville  | OR |
| Williams & Associates, Inc.                                        | 102027-0 | Memphis      | TN |

# INDEX A. LISTING BY LABORATORY NAME - continued

| LABORATORY NAME                          | NVLAP<br>LAB CODE | CITY      | STATE/<br>COUNTRY |
|------------------------------------------|-------------------|-----------|-------------------|
| Wisconsin Occupational Health Laboratory | 101109-0          | Madison   | WI                |
| WKP Laboratories, Inc.                   | 101950-0          | Ossining  | NY                |
| WMI Environmental Services               | 102065-0          | Kalamazoo | MI                |
| World Carpets, Inc.                      | 100197-0          | Dalton    | GA                |

## Y

|                                                             |          |        |    |
|-------------------------------------------------------------|----------|--------|----|
| Yankee Atomic Electric Company,<br>Environmental Laboratory | 100524-0 | Bolton | MA |
|-------------------------------------------------------------|----------|--------|----|

**INDEX**

**B**

**LISTING BY  
FIELD OF  
ACCREDITATION**



## INDEX B. LISTING BY FIELD OF ACCREDITATION

| LABORATORY NAME                                                   | NVLAP<br>LAB CODE | CITY             | STATE/<br>COUNTRY |
|-------------------------------------------------------------------|-------------------|------------------|-------------------|
| <b>CALIBRATION LABORATORIES GROUP</b>                             |                   |                  |                   |
| <i><b>Dimensional</b></i>                                         |                   |                  |                   |
| Lockheed Martin Missiles & Space                                  | 105017-0          | Sunnyvale        | CA                |
| Minnesota Metrology Laboratory                                    | 105003-0          | St. Paul         | MN                |
| Oak Ridge Metrology Center, Dimensional Metrology                 | 105000-0          | Oak Ridge        | TN                |
| State of Virginia Metrology Lab                                   | 105007-0          | Richmond         | VA                |
| Webber Gage Division / L.S. Starrett Co.                          | 200038-0          | Cleveland        | OH                |
| <i><b>Electromagnetics - DC/Low Frequency</b></i>                 |                   |                  |                   |
| Fluke Corporation Primary Standards Laboratory                    | 105016-0          | Everett          | WA                |
| Lockheed Martin Missiles & Space                                  | 105017-0          | Sunnyvale        | CA                |
| Sandia National Laboratories                                      | 105002-0          | Albuquerque      | NM                |
| Southern California Edison Company                                | 105014-0          | Westminster      | CA                |
| U.S. Army Primary Standards Laboratory                            | 105004-0          | Redstone Arsenal | AL                |
| <i><b>Electromagnetics - RF/Microwave</b></i>                     |                   |                  |                   |
| Sandia National Laboratories                                      | 105002-0          | Albuquerque      | NM                |
| U.S. Army Primary Standards Laboratory                            | 105004-0          | Redstone Arsenal | AL                |
| <i><b>Ionizing Radiation</b></i>                                  |                   |                  |                   |
| CDRH X-Ray Calibration Laboratory                                 | 105018-0          | Rockville        | MD                |
| Pacific Northwest National Laboratory                             | 105020-0          | Richland         | WA                |
| U.S. Army Primary Standards Laboratory                            | 105004-0          | Redstone Arsenal | AL                |
| <i><b>Mechanical</b></i>                                          |                   |                  |                   |
| Georgia Department of Agriculture Weights and Measures Laboratory | 105006-0          | Forest Park      | GA                |
| Henry Troemner, Inc.                                              | 105013-0          | Philadelphia     | PA                |
| Instron Force Calibration Laboratory                              | 105023-0          | Canton           | MA                |
| Minnesota Metrology Laboratory                                    | 105003-0          | St. Paul         | MN                |
| Rice Lake Weighing Systems                                        | 105001-0          | Rice Lake        | WI                |
| Southern California Edison Company                                | 105014-0          | Westminster      | CA                |
| State of Virginia Metrology Lab                                   | 105007-0          | Richmond         | VA                |
| <i><b>Thermodynamic</b></i>                                       |                   |                  |                   |
| Minnesota Metrology Laboratory                                    | 105003-0          | St. Paul         | MN                |
| State of Virginia Metrology Lab                                   | 105007-0          | Richmond         | VA                |
| U.S. Army Primary Standards Laboratory                            | 105004-0          | Redstone Arsenal | AL                |
| <i><b>Time &amp; Frequency</b></i>                                |                   |                  |                   |
| Sandia National Laboratories                                      | 105002-0          | Albuquerque      | NM                |
| State of Virginia Metrology Lab                                   | 105007-0          | Richmond         | VA                |
| U.S. Army Primary Standards Laboratory                            | 105004-0          | Redstone Arsenal | AL                |
| <b>COMPUTER/ELECTRONICS GROUP</b>                                 |                   |                  |                   |
| <i><b>Cryptographic Modules Testing</b></i>                       |                   |                  |                   |
| Cryptographic Equipment Assessment Lab. (CEAL)                    | 200002-0          | McLean           | VA                |
| DOMUS Software Limited ITSEC Laboratory                           | 200017-0          | Ottawa Ontario   | CANADA            |
| InfoGard Laboratories                                             | 100432-0          | San Luis Obispo  | CA                |

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| LABORATORY NAME                                             | NVLAP<br>LAB CODE | CITY             | STATE/<br>COUNTRY |
|-------------------------------------------------------------|-------------------|------------------|-------------------|
| <b>GOSIP</b>                                                |                   |                  |                   |
| CDA, Inc., Open Systems Development Group                   | 100364-0          | McLean           | VA                |
| Control Data OSI Accredited Test Center                     | 100354-0          | Arden Hills      | MN                |
| National Computing Centre Ltd.                              | 100357-0          | Manchester       | UNITED KINGDOM    |
| Open Systems Environment Testing Laboratory                 | 100385-0          | Ft. Huachuca     | AZ                |
| UNISYS-Systems Certification                                | 100367-0          | Paoli            | PA                |
| <b>POSIX</b>                                                |                   |                  |                   |
| Mindcraft, Inc.                                             | 100342-0          | Palo Alto        | CA                |
| Perennial, Inc.                                             | 100344-0          | Santa Clara      | CA                |
| UNISYS-Systems Certification                                | 100367-0          | Paoli            | PA                |
| <b>Federal Communications Commission (FCC) Methods</b>      |                   |                  |                   |
| 3M Product Safety EMC Laboratory                            | 200033-0          | St. Paul         | MN                |
| Akzo Kashima Ltd. Kakegawa EMC Test Site                    | 100290-2          | Shizuoka         | JAPAN             |
| Akzo Kashima Ltd., Kashima EMC Site                         | 100290-0          | Ibaraki          | JAPAN             |
| Akzo Kashima Ltd., Matsuda EMC Test Site                    | 100290-4          | Kanagawa         | JAPAN             |
| Akzo Kashima Ltd., Nagano EMC Test Site                     | 100290-3          | Nagano           | JAPAN             |
| Akzo Kashima Ltd., Tochigi EMC Test Site                    | 100290-5          | Tochigi          | JAPAN             |
| Akzo Kashima Ltd., Yokohama Test Center                     | 100290-1          | Yokohama         | JAPAN             |
| Alliant Techsystems                                         | 200084-0          | Annapolis        | MD                |
| Apple Computer, Inc., EMC Compliance Laboratory             | 200071-0          | Cupertino        | CA                |
| BNR Product Integrity Labs                                  | 100350-0          | Kanata Ontario   | CANADA            |
| Certelem Laboratories, Inc.                                 | 100351-0          | Ottawa Ontario   | CANADA            |
| Certelem Laboratories, Inc.                                 | 100351-1          | Ogdensburg       | NY                |
| Chomerics Test Services (CTS)                               | 100296-0          | Woburn           | MA                |
| Communication Certification Laboratory                      | 100272-0          | Salt Lake City   | UT                |
| Compaq Computer Corp. Emissions Control Lab                 | 200058-0          | Houston          | TX                |
| Compatible Electronics, Inc.                                | 200063-0          | Brea             | CA                |
| Compliance Eng. Svces, Inc., Compliance Consulting Services | 200065-0          | Sunnyvale        | CA                |
| Curtis-Straus LLC                                           | 200057-0          | Littleton        | MA                |
| D.L.S. Electronic Systems, Inc.                             | 100276-0          | Wheeling         | IL                |
| Data General Corporation                                    | 100339-0          | Westboro         | MA                |
| Detecon, Inc. Type Approval Division                        | 200039-0          | St. Paul         | MN                |
| Digital Equipment Corp., EMC Test Facility                  | 200078-0          | Colorado Springs | CO                |
| Digital Equipment Corporation                               | 100380-0          | Salem            | NH                |
| Digital Equipment Corporation, Marlboro                     | 100413-0          | Marlboro         | MA                |
| E.M.C. Test Facilities                                      |                   |                  |                   |
| Elite Electronic Engineering Company                        | 100278-0          | Downers Grove    | IL                |
| Elliott Laboratories, Inc.                                  | 200069-0          | Sunnyvale        | CA                |
| EMC Compliance Mgmt Group, dba                              | 200068-0          | Mountain View    | CA                |
| Turntech Scientific & Instr., Inc.                          |                   |                  |                   |
| EMC Test Lab                                                | 200052-0          | Austin           | TX                |
| Global EMC Standard Tech. Corp.                             | 200085-0          | Taipei County    | TAIWAN            |
| Inchcape Testing Services NA, Inc.                          | 100270-0          | Boxborough       | MA                |
| Inchcape Testing Services NA, Inc.                          | 100274-0          | Lexington        | KY                |
| Inchcape Testing Services NA, Inc.                          | 100409-0          | Norcross         | GA                |

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| LABORATORY NAME                                                  | NVLAP<br>LAB CODE | CITY                 | STATE/<br>COUNTRY |
|------------------------------------------------------------------|-------------------|----------------------|-------------------|
| Inchcape Testing Services NA, Inc.                               | 200049-0          | Lake Elmo            | MN                |
| Instrument Specialties Co., Inc.                                 | 200076-0          | Delaware Water Gap   | PA                |
| Integrity Design & Test Services, Inc.                           | 200004-0          | Littleton            | MA                |
| Intellistor Open Area Test Site                                  | 100396-0          | Rollinsville         | CO                |
| International Compliance Corporation                             | 100426-0          | Lewisville           | TX                |
| IPS Corporation                                                  | 200012-0          | Nagano               | JAPAN             |
| LG Electronics, Inc., Quality and Reliability Center             | 200040-0          | Seoul                | KOREA             |
| Lucent Technologies, Global Product Compliance Lab               | 100275-0          | Holmdel              | NJ                |
| Matsushita EMC Center                                            | 100428-0          | Taki-gun, Hyogo      | JAPAN             |
| MET Laboratories, Inc.                                           | 100273-0          | Baltimore            | MD                |
| Motorola Product Quality Assurance Laboratory                    | 200005-0          | Mansfield            | MA                |
| Motorola SSTG EMC/TEMPEST Laboratory                             | 100405-0          | Scottsdale           | AZ                |
| Norand EMC Test Laboratory                                       | 100269-0          | Cedar Rapids         | IA                |
| Northern Telecom BVW Lab                                         | 200098-0          | Belleville, Ontario  | CANADA            |
| Northern Telecom Inc. (MCS)                                      | 100411-0          | Santa Clara          | CA                |
| Northwest EMC, Inc.                                              | 200059-0          | Newberg              | OR                |
| PCTEST Engineering Laboratory, Inc.                              | 100431-0          | Columbia             | MD                |
| PDE Laboratories                                                 | 200082-0          | San Clemente         | CA                |
| Quest Engineering Solutions, Inc.                                | 200036-0          | Billerica            | MA                |
| R & B Enterprises                                                | 100280-0          | West Conshohocken    | PA                |
| Retlif Testing Laboratories                                      | 100267-0          | Ronkonkoma           | NY                |
| Retlif Testing Laboratories                                      | 100267-1          | Goffstown            | NH                |
| Rhein Tech Laboratories, Inc.                                    | 200061-0          | Herndon              | VA                |
| Rockford Engineering Services                                    | 200075-0          | St. Leonard          | MD                |
| Spectrum Research & Testing Laboratory, Inc.                     | 200099-0          | Chun-Li, Taoyuan     | TAIWAN            |
| Spectrum Research & Testing Laboratory, Inc.                     | 200100-0          | Owing                | MD                |
| Technology Products Assurance                                    | 200055-0          | North York, Ontario  | CANADA            |
| Test Site Services, Inc.                                         | 100419-0          | Marlboro             | MA                |
| TUV Product Service, Inc.                                        | 100268-0          | San Diego            | CA                |
| TUV Product Service, Inc.                                        | 100271-0          | New Brighton         | MN                |
| TUV Product Service, Inc.                                        | 100271-1          | Lyons                | CO                |
| UltraTech Engineering Labs Inc.                                  | 200093-0          | Mississauga, Ontario | CANADA            |
| Underwriters Laboratories Inc.                                   | 100414-0          | Northbrook           | IL                |
| Underwriters Laboratories, Inc.                                  | 100255-0          | Melville             | NY                |
| Washington Laboratories, Ltd.                                    | 200066-0          | Gaithersburg         | MD                |
| Wayne Langston, Inc.                                             | 200021-0          | League City          | TX                |
| <b>MIL-STD-462 Test Methods</b>                                  |                   |                      |                   |
| Acton Environmental Testing, dba National Technical Systems      | 100347-0          | Acton                | MA                |
| Eaton E3 Laboratory                                              | 100382-0          | Southfield           | MI                |
| Elite Electronic Engineering Company                             | 100278-0          | Downers Grove        | IL                |
| Inchcape Testing Services NA, Inc.                               | 100270-0          | Boxborough           | MA                |
| Motorola SSTG EMC/TEMPEST Laboratory                             | 100405-0          | Scottsdale           | AZ                |
| NAWC AD 5.1.7.3. EMI Lab                                         | 100408-0          | Patuxent River       | MD                |
| PRIMES (Preflight Integration of Munitions & Electronic Systems) | 100422-0          | Eglin Air Force Base | FL                |

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| <b>LABORATORY NAME</b>                                               | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>       | <b>STATE/<br/>COUNTRY</b> |
|----------------------------------------------------------------------|---------------------------|-------------------|---------------------------|
| R & B Enterprises                                                    | 100280-0                  | West Conshohocken | PA                        |
| Retlif Testing Laboratories                                          | 100267-0                  | Ronkonkoma        | NY                        |
| TUV Product Service, Inc.                                            | 100268-0                  | San Diego         | CA                        |
| TUV Product Service, Inc.                                            | 100271-0                  | New Brighton      | MN                        |
| <b>DOSIMETRY GROUP</b>                                               |                           |                   |                           |
| <i><b>Ionizing Radiation Dosimetry</b></i>                           |                           |                   |                           |
| Arizona Public Service Co., Palo Verde<br>Nuclear Generating Station | 100536-0                  | Tonopah           | AZ                        |
| Atomic Energy Industrial Laboratory of the<br>Southwest              | 100556-0                  | Houston           | TX                        |
| Baltimore Gas & Electric Company                                     | 100501-0                  | Lusby             | MD                        |
| Carolina Power & Light Company, Harris<br>Energy & Enviro. Center    | 100517-0                  | New Hill          | NC                        |
| Clinton Power Station                                                | 100570-0                  | Clinton           | IL                        |
| Combustion Engineering, Inc.                                         | 100563-0                  | Windsor           | CT                        |
| ComEd - TLD Processing Lab - CTEAM<br>Facility                       | 100541-0                  | Bolingbrook       | IL                        |
| Con Edison, Indian Point Station 2                                   | 100538-0                  | Buchanan          | NY                        |
| Detroit Edison, Fermi 2 Dosimetry<br>Laboratory                      | 100529-0                  | Newport           | MI                        |
| Duke Power Company Dosimetry Laboratory                              | 100505-0                  | Charlotte         | NC                        |
| Duquesne Light Company, Beaver Valley<br>Power Station               | 100521-0                  | Shippingport      | PA                        |
| Eberline Analytical Corporation                                      | 200026-0                  | Richland          | WA                        |
| Electric Boat Corp/A General Dynamics Co.<br>Radiological Ctrl. Dept | 100560-0                  | Groton            | CT                        |
| Entergy Operations, Inc. - Arkansas Nuclear<br>One                   | 100535-0                  | Russellville      | AR                        |
| Florida Power & Light Company                                        | 100544-0                  | Juno Beach        | FL                        |
| Georgia Power Company/Enviro. Affairs,<br>Enviro. Lab-Dosimetry      | 100551-0                  | Smyrna            | GA                        |
| Ginna Nuclear Station                                                | 100514-0                  | Ontario           | NY                        |
| GPU Nuclear Corp. Nuclear Services<br>Division                       | 100510-0                  | Middletown        | PA                        |
| Health Physics Northwest                                             | 100567-0                  | Tigard            | OR                        |
| ICN Dosimetry Div., ICN Pharmaceuticals,<br>Inc.                     | 100555-0                  | Costa Mesa        | CA                        |
| ICN Dosimetry Services, H.E. Division                                | 100532-0                  | Costa Mesa        | CA                        |
| Landauer, Inc.                                                       | 100518-0                  | Glenwood          | IL                        |
| Mallinckrodt Group, Inc.                                             | 100503-0                  | Maryland Heights  | MO                        |
| Naval Dosimetry Center                                               | 100504-0                  | Bethesda          | MD                        |
| Naval Nuclear Propulsion Program<br>Directorate                      | 100565-0                  | Bremerton         | WA                        |
| Newport News Shipbuilding Radiological<br>Control Department         | 100561-0                  | Newport News      | VA                        |
| Niagara Mohawk Power Corporation - Nine<br>Mile Point                | 100553-0                  | Lycoming          | NY                        |
| NJSP Calibration Laboratory                                          | 200006-0                  | Princeton         | NJ                        |
| North Anna Power Station                                             | 100520-0                  | Mineral           | VA                        |
| Northeast Utilities Service Company<br>Dosimetry Laboratory          | 100540-0                  | Newington         | CT                        |

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| LABORATORY NAME                                                      | NVLAP<br>LAB CODE | CITY                   | STATE/<br>COUNTRY |
|----------------------------------------------------------------------|-------------------|------------------------|-------------------|
| Pacific Gas & Electric Company, Diablo<br>Canyon Nuclear Power Plant | 100537-0          | Avila Beach            | CA                |
| Pennsylvania Power and Light Company                                 | 100554-0          | Allentown              | PA                |
| Portsmouth Gaseous Diffusion Plant                                   | 100574-0          | Piketon                | OH                |
| Proxtronic, Inc.                                                     | 100573-0          | Burke                  | VA                |
| Radiation Detection Company                                          | 100512-0          | Sunnyvale              | CA                |
| Radiation Laboratory, Taiwan Power<br>Company                        | 100562-0          | Shihmen Taipei         | TAIWAN            |
| South Texas Project Dosimetry Laboratory                             | 100519-0          | Wadsworth              | TX                |
| Southern California Edison                                           | 100506-0          | San Clemente           | CA                |
| Teledyne Brown Engineering Environmental<br>Services                 | 100533-0          | Westwood               | NJ                |
| Tennessee Valley Authority External<br>Dosimetry Service             | 100516-0          | Soddy-Daisy            | TN                |
| Tennessee Valley Authority, Western Area<br>Radiological Laboratory  | 200022-0          | Muscle Shoals          | AL                |
| Thermo NUtech                                                        | 100515-0          | Albuquerque            | NM                |
| Troxler Radiation Monitoring Svc. a div. of<br>Troxler Elect. Labs   | 100559-0          | Research Triangle Park | NC                |
| TU Electric-Comanche Peak Steam Electric<br>Station                  | 100528-0          | Glen Rose              | TX                |
| U.S. Army Ionizing Radiation Dosimetry<br>Center (USAIRDC)           | 100539-0          | Redstone Arsenal       | AL                |
| Union Electric Company, Callaway Plant                               | 100502-0          | Fulton                 | MO                |
| United States Dosimetry Technology, Inc.                             | 100571-0          | Richland               | WA                |
| USAF Armstrong Laboratory/OEBD                                       | 100548-0          | Brooks AFB             | TX                |
| Westinghouse Electric Corporation                                    | 100569-1          | Spartanburg            | SC                |
| Westinghouse Electric Corporation Nuclear<br>Services Div. TLD Lab   | 100569-0          | Madison                | PA                |
| Yankee Atomic Electric Company,<br>Environmental Laboratory          | 100524-0          | Bolton                 | MA                |

## ENVIRONMENTAL GROUP

### *Asbestos Fiber Analysis (PLM Test Method)*

|                                             |          |                    |    |
|---------------------------------------------|----------|--------------------|----|
| A & B Environmental Services, Inc.          | 101793-0 | Houston            | TX |
| A.R.C. Laboratories, Inc.                   | 101832-0 | Grand Forks        | ND |
| AAC Trinity, Inc.                           | 101168-0 | Farmington Hills   | MI |
| ABM Environmental Consultants, Inc.         | 102015-0 | Long Island City   | NY |
| Accredited Environmental Technologies, Inc. | 101051-0 | Media              | PA |
| ACM Environmental, Inc.                     | 101977-0 | South Bend         | IN |
| Advanced Industrial Hygiene Services, Inc.  | 101006-0 | Miami              | FL |
| AET Environmental, Inc.                     | 101610-0 | Cherry Hill        | NJ |
| Aetna Life & Casualty                       | 101516-0 | Windsor            | CT |
| Affiliated Environmental Services, Inc.     | 101007-0 | Sandusky           | OH |
| AGX, Inc.                                   | 101578-0 | Cranberry Township | PA |
| Aires Consulting Services, Inc.             | 101014-0 | Batavia            | IL |
| AIResearch, Inc.                            | 101868-0 | Wauwatosa          | WI |
| Airtek Environmental Corp.                  | 102011-0 | New York           | NY |
| Allegheny Asbestos Analysis                 | 101704-0 | Canonsburg         | PA |
| Allison Analytical Services, Inc.           | 101330-0 | Worthington        | OH |
| Alpine Consulting, Inc.                     | 102089-0 | Colorado Springs   | CO |
| AMA Analytical Services, Inc.               | 101143-0 | Lanham             | MD |

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| LABORATORY NAME                                                     | NVLAP<br>LAB CODE | CITY                | STATE/<br>COUNTRY |
|---------------------------------------------------------------------|-------------------|---------------------|-------------------|
| Ambient Labs, Inc.                                                  | 101618-0          | New York            | NY                |
| American Electric Power Service Corporation                         | 102102-0          | Columbus            | OH                |
| American Medical Laboratories                                       | 101136-0          | Chantilly           | VA                |
| AMS-NATEC Environmental Services, Inc.                              | 101155-0          | Garden Grove        | CA                |
| Analytica Solutions, Inc.                                           | 101086-0          | Broomfield          | CO                |
| Analytical Environmental Services, Inc.                             | 102033-0          | Atlanta             | GA                |
| Analytical Industries, Inc.                                         | 101855-0          | Paducah             | KY                |
| Analytical Labs San Francisco, Inc.                                 | 101909-0          | San Francisco       | CA                |
| Analytical Management, Inc.                                         | 101224-0          | Louisville          | KY                |
| Apex Research Laboratory                                            | 102118-0          | Whitmore Lake       | MI                |
| Apollo Environmental, Inc.                                          | 101871-0          | Gibsonton           | FL                |
| Applied Environmental Testing Laboratories,<br>Inc.                 | 101063-0          | Atlanta             | GA                |
| Applied Environmental, Inc.                                         | 101611-0          | Reston              | VA                |
| ASBESTECH                                                           | 101442-0          | Carmichael          | CA                |
| Asbestech Laboratories, Inc.                                        | 101988-0          | Pompano Beach       | FL                |
| Asbestos Analysis and Information Service,<br>Inc.                  | 101261-0          | Chapel Hill         | NC                |
| Asbestos Analytical                                                 | 101771-0          | Tucson              | AZ                |
| Asbestos Consulting & Testing (ACT)                                 | 101649-0          | Lenexa              | KS                |
| Asbestos Control Program Laboratory                                 | 101888-0          | Corona              | NY                |
| Asbestos Detection Co., Inc.                                        | 101172-0          | Garden Grove        | CA                |
| Asbestos TEM Laboratories, Inc.                                     | 101891-0          | Berkeley            | CA                |
| Assaigai Analytical Laboratories, Inc.                              | 101457-0          | Albuquerque         | NM                |
| ATC Associates Inc.                                                 | 102071-0          | Cincinnati          | OH                |
| ATC Environmental, Inc.                                             | 101187-0          | New York            | NY                |
| ATC Environmental, Inc.                                             | 102031-0          | Denver              | CO                |
| ATEC Associates, Inc.                                               | 101265-0          | Indianapolis        | IN                |
| ATEC Associates, Inc.                                               | 101265-2          | Dallas              | TX                |
| ATEC Associates, Inc.                                               | 101265-8          | Miami               | FL                |
| ATEC Associates, Inc.                                               | 101265-10         | Columbia            | MD                |
| ATEC Associates, Inc.                                               | 102087-0          | Marietta            | GA                |
| Athenica Environmental Services, Inc.                               | 101958-0          | Long Island City    | NY                |
| ATOKA, Inc.                                                         | 101671-0          | Little Rock         | AR                |
| Azimuth Laboratories                                                | 101050-0          | Charleston          | SC                |
| Barnes and Jarnis, Inc.                                             | 101553-0          | Boston              | MA                |
| Batta Laboratories, Inc.                                            | 101032-0          | Newark              | DE                |
| Bay Area Air Quality Management District                            | 102090-0          | San Francisco       | CA                |
| BCM Engineers, Inc./Smith Environmental<br>Technologies Corporation | 101374-0          | Norristown          | PA                |
| Beling Consultants, Inc.                                            | 101356-0          | Moline              | IL                |
| Bell Laboratories, Division Lucent<br>Technologies, Inc.            | 101965-0          | Murray Hill         | NJ                |
| Bellatrix Analytical Laboratories, LLC                              | 102110-0          | Scottsdale          | AZ                |
| Benchmark Engineering Inc.                                          | 101018-0          | Auburn              | AL                |
| Big Rivers Electric Corp.                                           | 200028-0          | Henderson           | KY                |
| Braun Intertec Corporation                                          | 101234-0          | Minneapolis         | MN                |
| CAMCO Lab                                                           | 101803-0          | Fontana             | CA                |
| Cape Environmental Management, Inc.                                 | 102111-0          | Atlanta             | GA                |
| Carnow, Conibear & Associates Ltd.                                  | 101039-0          | Chicago             | IL                |
| Carolina Environmental, Inc.                                        | 101768-0          | Raleigh             | NC                |
| Chatfield Technical Consulting Limited                              | 101103-0          | Mississauga Ontario | CANADA            |

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|---------------------------------------------------------------------|---------------------------|----------------------|---------------------------|
| ChemScope, Inc.                                                     | 101061-0                  | North Haven          | CT                        |
| CHEMTEX Environmental Laboratory, Inc.                              | 200025-0                  | Port Arthur          | TX                        |
| Chopra-Lee, Inc.                                                    | 200095-0                  | Grand Island         | NY                        |
| City of Austin-Holly Chemistry Lab.                                 | 200014-0                  | Austin               | TX                        |
| City of Los Angeles Department of Water<br>and Power                | 101111-0                  | Los Angeles          | CA                        |
| Clark County School District                                        | 101220-0                  | Henderson            | NV                        |
| Clayton Environmental Consultants, Inc.                             | 101106-0                  | Seattle              | WA                        |
| Clayton Environmental Consultants, Inc.                             | 101125-0                  | Kennesaw             | GA                        |
| ComEd                                                               | 101749-0                  | Bolingbrook          | IL                        |
| Concord Analysis, Inc.                                              | 101884-0                  | Chatsworth           | CA                        |
| Continental Envirotech, Inc.                                        | 200080-0                  | Mesa                 | AZ                        |
| Converse Consultants MR, Inc.                                       | 102091-0                  | Reno                 | NV                        |
| Covino Environmental Associates, Inc.                               | 101781-0                  | Woburn               | MA                        |
| Criterion Laboratories, Inc.                                        | 102046-0                  | Bensalem             | PA                        |
| CT&E Environmental Services                                         | 101074-0                  | Carlstadt            | NJ                        |
| CT&E Environmental Services, Inc.                                   | 200067-0                  | San Diego            | CA                        |
| CTL Environmental Services                                          | 101216-0                  | South Gate           | CA                        |
| Daily Analytical Laboratories                                       | 101322-0                  | Peoria               | IL                        |
| Dames & Moore, Inc.                                                 | 101433-0                  | Salem                | NH                        |
| DataChem Laboratories                                               | 101917-0                  | Cincinnati           | OH                        |
| Davis & Floyd, Inc.                                                 | 101410-0                  | Greenwood            | SC                        |
| DCM Science Laboratory, Inc.                                        | 101258-0                  | Lakewood             | CO                        |
| Delta Environmental Consultants, Inc.                               | 101966-0                  | St. Paul             | MN                        |
| Department of Environmental Health<br>Industrial Hygiene Laboratory | 101530-0                  | San Diego            | CA                        |
| Design for Health, Inc.                                             | 101864-0                  | San Diego            | CA                        |
| Detail Associates, Inc.                                             | 102100-0                  | Englewood            | NJ                        |
| DHMH-Air Quality Laboratory                                         | 101523-0                  | Baltimore            | MD                        |
| Diversified Environmental Technologies, Inc.<br>(D.E.T.I.)          | 101621-0                  | Oklahoma City        | OK                        |
| Dixon Information Inc.                                              | 101012-0                  | South Salt Lake      | UT                        |
| DLZ Laboratories, Inc.                                              | 101060-0                  | Columbus             | OH                        |
| Dolphin Environmental Consultants                                   | 102086-0                  | Stafford             | TX                        |
| Dove Environmental Corporation                                      | 102053-0                  | Miami Lakes          | FL                        |
| Eagle Industrial Hygiene Associates, Inc.                           | 101536-0                  | Horsham              | PA                        |
| EAI, Inc.                                                           | 102114-0                  | Jersey City          | NJ                        |
| Eastern Analytical Services, Inc.                                   | 101646-0                  | Elmsford             | NY                        |
| Ecologics Asbestos Laboratory Services                              | 101229-0                  | Anaheim              | CA                        |
| ECS/Wagner Environmental                                            | 101064-0                  | Eugene               | OR                        |
| EEC, Inc.                                                           | 101088-0                  | Raleigh              | NC                        |
| EG&G Environmental Health PLM<br>Laboratory                         | 101759-0                  | Kennedy Space Center | FL                        |
| Electro-Analytical, Inc.                                            | 101019-0                  | Mentor               | OH                        |
| EMG, Company (Environmental Monitoring<br>Group)                    | 200060-0                  | Garden Grove         | CA                        |
| EMS Laboratories, Inc.                                              | 101218-0                  | Pasadena             | CA                        |
| EMSL Analytical, Inc.                                               | 101048-0                  | Westmont             | NJ                        |
| EMSL Analytical, Inc.                                               | 101048-1                  | Smyrna               | GA                        |
| EMSL Analytical, Inc.                                               | 101048-2                  | Piscataway           | NJ                        |
| EMSL Analytical, Inc.                                               | 101048-3                  | San Mateo            | CA                        |
| EMSL Analytical, Inc.                                               | 101048-4                  | Ann Arbor            | MI                        |

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| <b>LABORATORY NAME</b>                                           | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>      | <b>STATE/<br/>COUNTRY</b> |
|------------------------------------------------------------------|---------------------------|------------------|---------------------------|
| EMSL Analytical, Inc.                                            | 101048-9                  | New York         | NY                        |
| EMSL Analytical, Inc.                                            | 101048-10                 | Carle Place      | NY                        |
| EMSL Analytical, Inc.                                            | 102104-0                  | Greensboro       | NC                        |
| EMSL Analytical, Inc.                                            | 102106-0                  | Houston          | TX                        |
| EMSL Analytical, Inc.                                            | 200019-0                  | Seattle          | WA                        |
| EMSL Analytical, Inc.                                            | 200034-0                  | Dallas           | TX                        |
| EMSL Analytical, Inc.                                            | 200056-0                  | Williamsville    | NY                        |
| ENCORP                                                           | 200013-0                  | Culver City      | CA                        |
| Entek Environmental & Technical Services,<br>Inc.                | 101455-0                  | Troy             | NY                        |
| Enviro Techniques, Inc.                                          | 200024-0                  | Paterson         | NJ                        |
| Enviro-Probe, Inc.                                               | 101222-0                  | Bronx            | NY                        |
| EnviroMed Services, Inc.                                         | 101514-0                  | New Haven        | CT                        |
| Environmental Enterprise Group(EEG), Inc.                        | 101587-0                  | Russellville     | AR                        |
| Environmental Hazards Services, Inc.                             | 101882-0                  | Richmond         | VA                        |
| Environmental Health Laboratory                                  | 101034-0                  | Cromwell         | CT                        |
| Environmental Health Laboratory                                  | 101116-0                  | Macon            | GA                        |
| Environmental Management Consultants, Inc.                       | 101926-0                  | Phoenix          | AZ                        |
| Environmental Monitoring & Consulting<br>Associates              | 101087-0                  | Somerville       | NJ                        |
| Environmental Science & Engineering, Inc.                        | 101991-0                  | Englewood        | CO                        |
| Environmental Service Group                                      | 102029-0                  | Indianapolis     | IN                        |
| Environmental Services, Inc.                                     | 101306-0                  | St. Albans       | WV                        |
| Environmental Support Services, Inc.                             | 101987-0                  | Richardson       | TX                        |
| Environmental Testing, Inc.                                      | 101848-0                  | Middletown       | DE                        |
| EnvironMETeo Services Inc.                                       | 101807-0                  | Waipahu          | HI                        |
| Envirotest, Inc.                                                 | 101595-0                  | Houston          | TX                        |
| ERI Consulting Engineers, Inc.                                   | 101232-0                  | Tyler            | TX                        |
| ERT Testing Services                                             | 101295-0                  | Highland Park    | MI                        |
| EssTek Ohio, Inc.                                                | 102093-0                  | Cleveland        | OH                        |
| Evans Environmental & Geological Science<br>and Management, Inc. | 101775-0                  | Miami            | FL                        |
| Fiberquant, Inc.                                                 | 101031-0                  | Phoenix          | AZ                        |
| Fibertec, Inc.                                                   | 101510-0                  | Holt             | MI                        |
| Fluor Daniel Fernald, Inc.                                       | 102010-0                  | Cincinnati       | OH                        |
| Forensic Analytical Specialties, Inc.                            | 101459-0                  | Hayward          | CA                        |
| Forensic Analytical Specialties, Inc.                            | 101459-1                  | Rancho Domingues | CA                        |
| Froehling & Robertson, Inc.                                      | 102060-0                  | Richmond         | VA                        |
| FRS Geotech, Inc.                                                | 102078-0                  | Denver           | CO                        |
| Fugro Environmental, Inc.                                        | 101148-0                  | Houston          | TX                        |
| GA Environmental Services, Inc.                                  | 101996-0                  | Eddystone        | PA                        |
| Galson Laboratories                                              | 101375-0                  | East Syracuse    | NY                        |
| GCI Environmental Advisory, Inc.                                 | 101820-0                  | Wilkes-Barre     | PA                        |
| Gelles Laboratories, Inc.                                        | 101170-0                  | Columbus         | OH                        |
| Geo-Analytical Services, Inc.                                    | 102082-0                  | Atlanta          | GA                        |
| GHP Laboratories                                                 | 102098-0                  | Nashville        | TN                        |
| GLE Associates, Inc.                                             | 102003-0                  | Tampa            | FL                        |
| GPU Nuclear Chemistry/Materials Labs.                            | 102064-0                  | Reading          | PA                        |
| GSC Environmental Laboratories, Inc.                             | 101626-0                  | Augusta          | GA                        |
| Health & Hygiene, Inc.                                           | 101159-0                  | Greensboro       | NC                        |
| Health Science Associates                                        | 101384-0                  | Los Alamitos     | CA                        |
| Henderson/Longfellow Associates, Inc.                            | 102077-0                  | Brandon          | FL                        |

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| <b>LABORATORY NAME</b>                           | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>      | <b>STATE/<br/>COUNTRY</b> |
|--------------------------------------------------|---------------------------|------------------|---------------------------|
| Hi-Tech Environmental and Laboratory Services    | 102013-0                  | Cypress          | CA                        |
| HIH Laboratory, Inc.                             | 101233-0                  | Webster          | TX                        |
| Hillmann Environmental Company                   | 101421-0                  | Union            | NJ                        |
| Hub Testing Laboratory, Inc.                     | 101045-0                  | Waltham          | MA                        |
| Hygeia Environmental Inc.                        | 102068-0                  | Dedham           | MA                        |
| Hygeia Environmental Laboratories, Inc.          | 102116-0                  | Sierra Madre     | CA                        |
| Hygeia ProScience Laboratories, Inc.             | 101011-0                  | Woburn           | MA                        |
| HYGENIX, INC.                                    | 101199-0                  | Stamford         | CT                        |
| Hygieneering, Inc.                               | 101997-0                  | Burr Ridge       | IL                        |
| Hygienetics Laboratory Services                  | 101147-0                  | Boston           | MA                        |
| IEA - Massachusetts                              | 101005-0                  | N. Billerica     | MA                        |
| Inchcape Testing Services NA, Inc.               | 101468-0                  | Baton Rouge      | LA                        |
| Industrial Hygiene & Safety Technology, Inc.     | 101634-0                  | Dallas           | TX                        |
| Industrial Laboratory                            | 102115-0                  | Portsmouth       | VA                        |
| Industrial Testing Laboratories, Inc.            | 101072-0                  | St. Louis        | MO                        |
| Institute for Environmental Assessment           | 101249-0                  | Brooklyn Park    | MN                        |
| International Asbestos Testing Laboratory        | 101165-0                  | Mt. Laurel       | NJ                        |
| Iowa Environmental Services, Inc.                | 101990-0                  | Des Moines       | IA                        |
| Jimmie Ann Bolton                                | 101735-0                  | Austin           | TX                        |
| JLC Environmental Consultants, Inc.              | 101953-0                  | New York         | NY                        |
| JMS Environmental Associates, Ltd.               | 102012-0                  | Westmont         | IL                        |
| KAM Consultants                                  | 102047-0                  | Long Island City | NY                        |
| Kellco Services, Inc.                            | 101331-0                  | Fremont          | CA                        |
| KETER Consultants, Inc.                          | 101727-0                  | Willow Springs   | IL                        |
| Kevco Services, Inc.                             | 101941-0                  | Butler           | PA                        |
| Kingston Environmental Laboratory                | 200041-0                  | Lee's Summit     | MO                        |
| Knoxville Branch Laboratory-TN Dept. Health      | 101496-0                  | Knoxville        | TN                        |
| Labcorp Analytics Laboratory                     | 101004-0                  | Richmond         | VA                        |
| Larron Laboratory                                | 101415-0                  | Cape Girardeau   | MO                        |
| Law Engineering and Environmental Services, Inc. | 101066-0                  | Birmingham       | AL                        |
| Law Engineering and Environmental Services, Inc. | 101226-0                  | Charlotte        | NC                        |
| Law Engineering and Environmental Services, Inc. | 101515-0                  | Tampa            | FL                        |
| Law Engineering and Environmental Services, Inc. | 101515-1                  | Miami Lakes      | FL                        |
| Law Engineering and Environmental Services, Inc. | 101847-0                  | Chantilly        | VA                        |
| Law Engineering and Environmental Services, Inc. | 101973-0                  | Dallas           | TX                        |
| Law Engineering, Inc.                            | 101152-0                  | Houston          | TX                        |
| Law/Crandall                                     | 102035-0                  | Phoenix          | AZ                        |
| Legend Technical Services, Inc.                  | 102081-0                  | St. Paul         | MN                        |
| LEX Scientific Inc.                              | 101949-0                  | Guelph Ontario   | CANADA                    |
| Lockheed Martin Utility Services, Inc.           | 101383-0                  | Piketon          | OH                        |
| Loflin Environmental Services                    | 102044-0                  | Houston          | TX                        |
| Los Angeles Harbor Department Testing Laboratory | 102020-0                  | Wilmington       | CA                        |
| Los Angeles Unified School District              | 101505-0                  | Los Angeles      | CA                        |

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| LABORATORY NAME                                                      | NVLAP<br>LAB CODE | CITY             | STATE/<br>COUNTRY |
|----------------------------------------------------------------------|-------------------|------------------|-------------------|
| Louisiana Department of Environmental<br>Quality Microanalytical Lab | 102000-0          | Baton Rouge      | LA                |
| m.a.c. Paran Consulting Services, Inc.                               | 102108-0          | Amelia           | OH                |
| M.S.L. Guardian                                                      | 101399-0          | Louisville       | KY                |
| MACS Lab, Inc.                                                       | 101948-0          | Santa Clara      | CA                |
| ManTech Environmental Corporation                                    | 101277-0          | Rockville        | MD                |
| Marine Chemist Service, Inc.                                         | 101425-0          | Newport News     | VA                |
| Materials Analytical Services, Inc.                                  | 101235-0          | Norcross         | GA                |
| Maxim Technologies, Inc.                                             | 101091-0          | Dallas           | TX                |
| Maxim Technologies, Inc.                                             | 101091-1          | Houston          | TX                |
| Maxim Technologies, Inc.                                             | 101292-0          | Billings         | MT                |
| Maxim Technologies, Inc.                                             | 200046-0          | St. Paul         | MN                |
| McCall and Spero Environmental, Inc.                                 | 101895-0          | Louisville       | KY                |
| McKee Environmental Health, Inc.                                     | 101135-0          | Friendswood      | TX                |
| MDS Laboratories                                                     | 101262-0          | Reading          | PA                |
| Micro Air of Texas, Inc.                                             | 102008-0          | Houston          | TX                |
| Micro Air, Inc.                                                      | 101221-0          | Indianapolis     | IN                |
| Micro Analytical Laboratories, Inc.                                  | 101151-0          | Gainesville      | FL                |
| Micro Analytical Laboratories, Inc.                                  | 101872-0          | Emeryville       | CA                |
| Micro Analytical Laboratories, Inc.                                  | 200054-0          | San Francisco    | CA                |
| Micro Analytical, Inc.                                               | 101247-0          | Milwaukee        | WI                |
| Microbac Laboratories, Inc.                                          | 101035-0          | Erie             | PA                |
| Microscopic Analysis, Inc.                                           | 101037-0          | St. Louis        | MO                |
| Midwest Laboratories, Inc.                                           | 101894-0          | Countryside      | IL                |
| Milan Asbestos Laboratory                                            | 102095-0          | Milan            | MN                |
| Mountain Laboratories                                                | 101890-0          | Spokane          | WA                |
| Mountaineer Testing Laboratories, Inc.                               | 101784-0          | Lewisburg        | WV                |
| MRS., Analytical Laboratory, Inc.                                    | 102113-0          | Louisville       | KY                |
| Muranaka Environmental Consultants, Inc.                             | 102085-0          | Honolulu         | HI                |
| Mystic Air Quality Consultants, Inc.                                 | 101282-0          | Groton           | CT                |
| National Analytical Laboratories, Inc.                               | 102080-0          | Roseville        | CA                |
| National Econ Corporation                                            | 102062-0          | Irvine           | CA                |
| National Econ Corporation                                            | 200047-0          | Memphis          | TN                |
| National Enforcement Investigations Center -<br>U.S. EPA             | 101703-0          | Denver           | CO                |
| National Environmental Reference<br>Laboratory                       | 101593-0          | Denver           | CO                |
| National Testing Laboratories, Inc.                                  | 101428-0          | Long Island City | NY                |
| New York Testing Laboratories, Inc.                                  | 101332-0          | West Babylon     | NY                |
| Niche Analysis, Inc.                                                 | 102057-0          | Mount Vernon     | NY                |
| North American Analytical Labs, Inc.                                 | 101782-0          | Abilene          | TX                |
| Northeast Test Consultants                                           | 101565-0          | Westbrook        | ME                |
| Northern Testing Laboratories, Inc.                                  | 101463-0          | Fairbanks        | AK                |
| Northwest Envirocon, Inc.                                            | 101869-0          | Vancouver        | WA                |
| Northwest Envirocon, Inc.                                            | 101869-2          | Muscle Shoals    | AL                |
| NOVA Environmental Services, Inc.                                    | 101545-0          | Chaska           | MN                |
| NVL Laboratories, Inc.                                               | 102063-0          | Seattle          | WA                |
| NY Environmental & Material Testing<br>Laboratories, Inc.            | 101967-0          | Port Washington  | NY                |
| O'Brien & Gere Laboratories, Inc.                                    | 101343-0          | Syracuse         | NY                |
| OCCU-TEC, Inc.                                                       | 102025-0          | Kansas City      | MO                |
| Occupational Health Conservation, Inc.                               | 102050-0          | Jacksonville     | FL                |

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| <b>LABORATORY NAME</b>                                             | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>                | <b>STATE/<br/>COUNTRY</b> |
|--------------------------------------------------------------------|---------------------------|----------------------------|---------------------------|
| Occupational Health Technologies, Inc.                             | 101436-0                  | Colorado Springs           | CO                        |
| Oklahoma Dept. of Environmental<br>Quality-State Environmental Lab | 102112-0                  | Oklahoma City              | OK                        |
| Omega Environmental Services                                       | 101289-0                  | Hackensack                 | NJ                        |
| Omni Environmental, Inc.                                           | 102061-0                  | Austin                     | TX                        |
| PA DEP Bureau of Laboratories                                      | 101323-0                  | Harrisburg                 | PA                        |
| Pacific Environmental Services, Inc.                               | 101190-0                  | Herndon                    | VA                        |
| PBS Environmental Building Consultants,<br>Inc.                    | 101910-0                  | Portland                   | OR                        |
| PDR Environmental Laboratories                                     | 101479-0                  | Nashville                  | TN                        |
| PHH Environmental Limited                                          | 101675-0                  | Richmond, British Columbia | CANADA                    |
| Philip Environmental Services Corp.                                | 101192-0                  | Columbia                   | IL                        |
| Pinchin Environmental Consultants Ltd.                             | 101270-0                  | Mississauga Ontario        | CANADA                    |
| Pinchin LeBlanc Environmental Ltd.                                 | 101270-1                  | Dartmouth N.S.             | CANADA                    |
| PMK Group, Inc.                                                    | 101301-0                  | Kenilworth                 | NJ                        |
| Precision Environmental Services, Inc.                             | 101631-0                  | Tukwila                    | WA                        |
| Precision Micro-Analysis, Inc.                                     | 101656-0                  | Sacramento                 | CA                        |
| Precision Testing Laboratories, Inc.                               | 101580-0                  | Moore                      | OK                        |
| Prezant Associates, Inc.                                           | 101886-0                  | Seattle                    | WA                        |
| Pro-Ac, Inc.                                                       | 101585-0                  | Cincinnati                 | OH                        |
| Professional Service Industries, Inc.                              | 101342-0                  | Lawrence                   | KS                        |
| ProScience Analytical Services, Inc.                               | 200090-0                  | Woburn                     | MA                        |
| PSI                                                                | 101350-0                  | Pittsburgh                 | PA                        |
| PSI                                                                | 101755-0                  | New York                   | NY                        |
| PSI                                                                | 101970-0                  | Brea                       | CA                        |
| PSI, Inc.                                                          | 101070-0                  | Farmingdale                | NY                        |
| Puget Sound Naval Shipyard                                         | 101539-0                  | Bremerton                  | WA                        |
| QuanTEM Laboratories, LLC                                          | 101959-0                  | Oklahoma City              | OK                        |
| Quest Industrial Inc.                                              | 101062-0                  | Youngstown                 | OH                        |
| R. Robinson Analytical Services, Inc.                              | 102041-0                  | Pensacola                  | FL                        |
| Rapid Environmental Management, Inc.                               | 101974-0                  | Great Neck                 | NY                        |
| RCM Laboratories, Inc.                                             | 101853-0                  | Brookfield                 | IL                        |
| Recon Environmental Corp.                                          | 102079-0                  | Weymouth                   | MA                        |
| Reservoirs Environmental Services, Inc.                            | 101896-0                  | Denver                     | CO                        |
| Reservoirs Environmental Services, Inc.                            | 101896-1                  | Houston                    | TX                        |
| RI Analytical Laboratories, Inc.                                   | 101440-0                  | Warwick                    | RI                        |
| Riverside County Department of<br>Environmental Health             | 101145-0                  | Riverside                  | CA                        |
| RJ Lee Group, Inc.                                                 | 101208-0                  | Monroeville                | PA                        |
| RJ Lee Group, Inc.                                                 | 101208-2                  | San Leandro                | CA                        |
| RJ Lee Group, Inc.                                                 | 101208-3                  | Manassas                   | VA                        |
| RJ Lee Group, Inc.                                                 | 101208-5                  | Houston                    | TX                        |
| Roy F. Weston, Inc.                                                | 101254-0                  | Auburn                     | AL                        |
| Rust Federal Services of Hanford, Inc.                             | 101058-0                  | Richland                   | WA                        |
| S&ME, Inc.                                                         | 102075-0                  | Charlotte                  | NC                        |
| Safe Environment of America                                        | 102021-0                  | Kent                       | WA                        |
| Safety Environmental Laboratories, Inc.                            | 101588-0                  | Birmingham                 | AL                        |
| San Joaquin Environmental, Inc.                                    | 102117-0                  | Fresno                     | CA                        |
| Schneider Laboratories, Inc.                                       | 101150-0                  | Richmond                   | VA                        |
| Scientific Laboratories, Inc.                                      | 101904-0                  | Richmond                   | VA                        |
| Scientific Laboratories, Inc.                                      | 101904-1                  | New York                   | NY                        |
| Scope Laboratory                                                   | 102107-0                  | Los Angeles                | CA                        |

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| <b>LABORATORY NAME</b>                                           | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>             | <b>STATE/<br/>COUNTRY</b> |
|------------------------------------------------------------------|---------------------------|-------------------------|---------------------------|
| SEAS, Inc.                                                       | 101185-0                  | Blacksburg              | VA                        |
| Solar Environmental Services, Inc.                               | 102006-0                  | Anchorage               | AK                        |
| South Carolina Department of Health &<br>Environmental Control   | 101572-0                  | Columbia                | SC                        |
| South Coast Air Quality Management District                      | 101567-0                  | Diamond Bar             | CA                        |
| SSM/Laboratories, Inc.                                           | 101112-0                  | Reading                 | PA                        |
| St. Louis County Department of Health                            | 101506-0                  | Clayton                 | MO                        |
| Standard Testing and Engineering Company                         | 101053-0                  | Oklahoma City           | OK                        |
| Stanley Engineering Inc.                                         | 101568-0                  | Oklahoma City           | OK                        |
| STAT Analysis Corporation                                        | 101202-0                  | Chicago                 | IL                        |
| State of Connecticut                                             | 101237-0                  | Hartford                | CT                        |
| Steve Moody Micro Services, Inc.                                 | 102056-0                  | Carrollton              | TX                        |
| Sun City Analytical, Inc.                                        | 101870-0                  | El Paso                 | TX                        |
| TAKA Analytical Services, Inc.                                   | 101724-0                  | Northport               | NY                        |
| Taylor Environmental Group, Inc.                                 | 102101-0                  | Floral Park             | NY                        |
| TC Analytics, Inc.                                               | 101672-0                  | Norfolk                 | VA                        |
| Technical Services Laboratory                                    | 101558-0                  | Long Island City        | NY                        |
| TEM, Incorporated                                                | 101130-0                  | Glen Ellyn              | IL                        |
| Terra-Mar, Inc.                                                  | 101940-0                  | Fort Worth              | TX                        |
| TerraNext                                                        | 101162-0                  | Dallas                  | TX                        |
| Testing Mechanics Corp.                                          | 102001-0                  | Seaford                 | NY                        |
| Testwell Craig Laboratories & Consultants,<br>Inc.               | 102096-0                  | Davie                   | FL                        |
| Testwell Craig Laboratories, Inc.                                | 200083-0                  | Ossining                | NY                        |
| Testwell Craig Testing Laboratories, Inc.                        | 200083-1                  | Mays Landing            | NJ                        |
| The Scott Lawson Group, Ltd.                                     | 101228-0                  | Concord                 | NH                        |
| TolTest, Inc.                                                    | 101594-0                  | Toledo                  | OH                        |
| TRC Environmental Corporation                                    | 101424-0                  | Windsor                 | CT                        |
| Tremco, Inc./BFGoodrich - Roofing Division                       | 101188-0                  | Beachwood               | OH                        |
| Triad, Inc.                                                      | 102073-0                  | Huntington              | WV                        |
| Twin Ports Testing, Inc.                                         | 102083-0                  | Superior                | WI                        |
| U.S. Army Center for Health Promotion and<br>Preventive Medicine | 200044-0                  | Aberdeen Proving Ground | MD                        |
| United Analytical Services, Inc.                                 | 101732-0                  | Hillside                | IL                        |
| University (State) Hygienic Laboratory                           | 101288-0                  | Iowa City               | IA                        |
| University of Alabama Asbestos Laboratory                        | 102005-0                  | Tuscaloosa              | AL                        |
| Versar, Inc.                                                     | 101122-0                  | Springfield             | VA                        |
| Volz Environmental Services, Inc.                                | 101269-0                  | Pittsburgh              | PA                        |
| Vortex Inc./DBA V-Lab                                            | 102105-0                  | Warwick                 | RI                        |
| Water, Earth Solutions & Technologies, Inc.                      | 102043-0                  | Dallas                  | TX                        |
| Wausau Insurance Companies                                       | 101079-0                  | Wausau                  | WI                        |
| West Allis Memorial Hospital                                     | 101661-0                  | West Allis              | WI                        |
| Western Analytical Laboratory                                    | 200037-0                  | Burbank                 | CA                        |
| White Environmental Consultants Inc.                             | 200124-0                  | Anchorage               | AK                        |
| Williams & Associates, Inc.                                      | 102027-0                  | Memphis                 | TN                        |
| Wisconsin Occupational Health Laboratory                         | 101109-0                  | Madison                 | WI                        |
| WKP Laboratories, Inc.                                           | 101950-0                  | Ossining                | NY                        |
| WMI Environmental Services                                       | 102065-0                  | Kalamazoo               | MI                        |

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| LABORATORY NAME                                                  | NVLAP<br>LAB CODE | CITY             | STATE/<br>COUNTRY |
|------------------------------------------------------------------|-------------------|------------------|-------------------|
| <b><i>Asbestos Fiber Analysis (TEM Test Method)</i></b>          |                   |                  |                   |
| Aires Consulting Services, Inc.                                  | 101014-0          | Batavia          | IL                |
| AMA Analytical Services, Inc.                                    | 101143-0          | Lanham           | MD                |
| Analytica Solutions, Inc.                                        | 101086-0          | Broomfield       | CO                |
| Asbestos TEM Laboratories, Inc.                                  | 101891-0          | Berkeley         | CA                |
| ATC Environmental, Inc.                                          | 101187-0          | New York         | NY                |
| ATEC Associates, Inc.                                            | 101265-0          | Indianapolis     | IN                |
| ATEC Associates, Inc.                                            | 101265-8          | Miami            | FL                |
| Batta Laboratories, Inc.                                         | 101032-0          | Newark           | DE                |
| Braun Intertec Corporation                                       | 101234-0          | Minneapolis      | MN                |
| Carnow, Conibear & Associates Ltd.                               | 101039-0          | Chicago          | IL                |
| Clayton Environmental Consultants, Inc.                          | 101125-0          | Kennesaw         | GA                |
| Concord Analysis, Inc.                                           | 101884-0          | Chatsworth       | CA                |
| CTL Environmental Services                                       | 101216-0          | South Gate       | CA                |
| DataChem Laboratories                                            | 101917-0          | Cincinnati       | OH                |
| E. M. Analytical, Inc.                                           | 101902-0          | Dania            | FL                |
| Eastern Analytical Services, Inc.                                | 101646-0          | Elmsford         | NY                |
| EMS Laboratories, Inc.                                           | 101218-0          | Pasadena         | CA                |
| EMSL Analytical, Inc.                                            | 101048-0          | Westmont         | NJ                |
| EMSL Analytical, Inc.                                            | 101048-1          | Smyrna           | GA                |
| EMSL Analytical, Inc.                                            | 101048-2          | Piscataway       | NJ                |
| EMSL Analytical, Inc.                                            | 101048-3          | San Mateo        | CA                |
| EMSL Analytical, Inc.                                            | 101048-4          | Ann Arbor        | MI                |
| EMSL Analytical, Inc.                                            | 101048-9          | New York         | NY                |
| EMSL Analytical, Inc.                                            | 101048-10         | Carle Place      | NY                |
| EMSL Analytical, Inc.                                            | 102104-0          | Greensboro       | NC                |
| EMSL Analytical, Inc.                                            | 102106-0          | Houston          | TX                |
| EMSL Analytical, Inc.                                            | 200019-0          | Seattle          | WA                |
| EMSL Analytical, Inc.                                            | 200034-0          | Dallas           | TX                |
| EMSL Analytical, Inc.                                            | 200056-0          | Williamsville    | NY                |
| Environmental Enterprise Group(EEG), Inc.                        | 101587-0          | Russellville     | AR                |
| Environmental Testing Laboratories, Inc.                         | 101937-0          | Farmingdale      | NY                |
| ERI Consulting Engineers, Inc.                                   | 101232-0          | Tyler            | TX                |
| Evans Environmental & Geological Science<br>and Management, Inc. | 101775-0          | Miami            | FL                |
| Fiberquant, Inc.                                                 | 101031-0          | Phoenix          | AZ                |
| Forensic Analytical Specialties, Inc.                            | 101459-0          | Hayward          | CA                |
| GCI Environmental Advisory, Inc.                                 | 101820-0          | Wilkes-Barre     | PA                |
| Gelles Laboratories, Inc.                                        | 101170-0          | Columbus         | OH                |
| Geo-Analytical Services, Inc.                                    | 102082-0          | Atlanta          | GA                |
| Hygeia Environmental Laboratories, Inc.                          | 102116-0          | Sierra Madre     | CA                |
| Hygeia ProScience Laboratories, Inc.                             | 101011-0          | Woburn           | MA                |
| Hygienetics Laboratory Services                                  | 101147-0          | Boston           | MA                |
| IEA - Massachusetts                                              | 101005-0          | N. Billerica     | MA                |
| Industrial Testing Laboratories, Inc.                            | 101072-0          | St. Louis        | MO                |
| Institute for Environmental Assessment                           | 101249-0          | Brooklyn Park    | MN                |
| International Asbestos Testing Laboratory                        | 101165-0          | Mt. Laurel       | NJ                |
| KAM Consultants                                                  | 102047-0          | Long Island City | NY                |
| Lab/Cor, Inc.                                                    | 101920-0          | Seattle          | WA                |
| Los Angeles Unified School District                              | 101505-0          | Los Angeles      | CA                |
| MACS Lab, Inc.                                                   | 101948-0          | Santa Clara      | CA                |

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| <b>LABORATORY NAME</b>                  | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>   | <b>STATE/<br/>COUNTRY</b> |
|-----------------------------------------|---------------------------|---------------|---------------------------|
| ManTech Environmental Corporation       | 101277-0                  | Rockville     | MD                        |
| Materials Analytical Services, Inc.     | 101235-0                  | Norcross      | GA                        |
| Maxim Technologies, Inc.                | 101091-0                  | Dallas        | TX                        |
| McCall and Spero Environmental, Inc.    | 101895-0                  | Louisville    | KY                        |
| MDS Laboratories                        | 101262-0                  | Reading       | PA                        |
| Micro Analytical Laboratories, Inc.     | 101151-0                  | Gainesville   | FL                        |
| Micro Analytical Laboratories, Inc.     | 101872-0                  | Emeryville    | CA                        |
| Midwest Laboratories, Inc.              | 101894-0                  | Countryside   | IL                        |
| New York Testing Laboratories, Inc.     | 101332-0                  | West Babylon  | NY                        |
| O'Brien & Gere Laboratories, Inc.       | 101343-0                  | Syracuse      | NY                        |
| ProScience Analytical Services, Inc.    | 200090-0                  | Woburn        | MA                        |
| PSI                                     | 101350-0                  | Pittsburgh    | PA                        |
| QuanTEM Laboratories, LLC               | 101959-0                  | Oklahoma City | OK                        |
| Reservoirs Environmental Services, Inc. | 101896-0                  | Denver        | CO                        |
| Reservoirs Environmental Services, Inc. | 101896-1                  | Houston       | TX                        |
| RJ Lee Group, Inc.                      | 101208-0                  | Monroeville   | PA                        |
| RJ Lee Group, Inc.                      | 101208-2                  | San Leandro   | CA                        |
| RJ Lee Group, Inc.                      | 101208-3                  | Manassas      | VA                        |
| RJ Lee Group, Inc.                      | 101208-5                  | Houston       | TX                        |
| Scientific Laboratories, Inc.           | 101904-0                  | Richmond      | VA                        |
| Scientific Laboratories, Inc.           | 101904-1                  | New York      | NY                        |
| Stanley Engineering Inc.                | 101568-0                  | Oklahoma City | OK                        |
| STAT Analysis Corporation               | 101202-0                  | Chicago       | IL                        |
| TEM, Incorporated                       | 101130-0                  | Glen Ellyn    | IL                        |
| Testwell Craig Laboratories, Inc.       | 200083-0                  | Ossining      | NY                        |
| University (State) Hygienic Laboratory  | 101288-0                  | Iowa City     | IA                        |

**PRODUCT TESTING GROUP**
***Acoustical Testing Services***

|                                                                   |          |                     |        |
|-------------------------------------------------------------------|----------|---------------------|--------|
| Acoustic Systems Acoustical Research Facility                     | 100286-0 | Austin              | TX     |
| Aearo Company, E·A·RCAL Acoustical Laboratory                     | 100374-0 | Indianapolis        | IN     |
| Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center | 100228-0 | Lancaster           | PA     |
| Auditory Systems Laboratory - Virginia Tech                       | 100352-0 | Blacksburg          | VA     |
| Center For Applied Engineering, Inc.                              | 100417-0 | St. Petersburg      | FL     |
| Hufcor Laboratory                                                 | 100239-0 | Janesville          | WI     |
| IBM Hudson Valley Acoustics Laboratory                            | 100323-0 | Poughkeepsie        | NY     |
| Industrial Acoustics Company, Inc., Aero-Acoustics Laboratory     | 100404-0 | Bronx               | NY     |
| Maxim Technologies, Inc.                                          | 200046-0 | St. Paul            | MN     |
| Michael & Associates                                              | 100427-0 | State College       | PA     |
| Riverbank Acoustical Laboratories                                 | 100227-0 | Geneva              | IL     |
| Schuller International, Inc., Mountain Technical Center           | 100425-0 | Littleton           | CO     |
| Vibro-Acoustics Laboratory                                        | 100424-0 | Scarborough Ontario | CANADA |
| Western Electro-Acoustic Lab., Inc.                               | 100256-0 | Santa Monica        | CA     |

**INDEX B. LISTING BY FIELD OF ACCREDITATION - continued**

| <b>LABORATORY NAME</b>                                            | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>       | <b>STATE/<br/>COUNTRY</b> |
|-------------------------------------------------------------------|---------------------------|-------------------|---------------------------|
| <b><i>Carpet and Carpet Cushion</i></b>                           |                           |                   |                           |
| American Carpet Laboratories, Inc.                                | 100139-0                  | Ringgold          | GA                        |
| Bentley Testing Laboratory                                        | 100288-0                  | City of Industry  | CA                        |
| Commercial Testing Company                                        | 100120-0                  | Dalton            | GA                        |
| Coronet Industries, Inc.                                          | 100190-0                  | Dalton            | GA                        |
| E. I. du Pont Co.                                                 | 100334-0                  | Dalton            | GA                        |
| Hollytex Carpet Mills, Inc.                                       | 100247-0                  | Anadarko          | OK                        |
| Independent Textile Testing Service, Inc.                         | 100166-0                  | Dalton            | GA                        |
| Mohawk Industries, Inc., Karastan Rug Mill<br>Testing             | 100178-0                  | Eden              | NC                        |
| Mohawk Industries, Inc.- Lyerly Plant                             | 100156-0                  | Lyerly            | GA                        |
| Professional Testing Laboratory, Inc.                             | 100297-0                  | Dalton            | GA                        |
| Queen Carpet Test Laboratory                                      | 100429-0                  | Dalton            | GA                        |
| Shaw Industries, Inc., Technical Services                         | 100193-0                  | Dalton            | GA                        |
| TSI, Testing Services, Inc.                                       | 100108-0                  | Dalton            | GA                        |
| Vartest Laboratories, Inc.                                        | 200027-0                  | New York          | NY                        |
| World Carpets, Inc.                                               | 100197-0                  | Dalton            | GA                        |
| <b><i>Commercial Products Testing</i></b>                         |                           |                   |                           |
| Canadian Standards Association                                    | 100322-0                  | Etobicoke Ontario | CANADA                    |
| Center For Applied Engineering, Inc.                              | 100417-0                  | St. Petersburg    | FL                        |
| D/L Laboratories                                                  | 100252-0                  | New York          | NY                        |
| Dodge-Regupol, Inc. Laboratory                                    | 200030-0                  | Lancaster         | PA                        |
| MacMillan Bloedel Packaging, Inc.,<br>Combined Board Test Lab     | 100259-0                  | Pine Hill         | AL                        |
| SGS U.S. Testing Company, Inc.                                    | 100416-0                  | Tulsa             | OK                        |
| Willamette Industries, Inc. West Coast<br>Development Lab         | 200045-0                  | Wilsonville       | OR                        |
| <b><i>Construction Materials Testing</i></b>                      |                           |                   |                           |
| American Testing Laboratories, Inc.                               | 100146-0                  | Lancaster         | PA                        |
| City of San Jose, Materials Testing<br>Laboratory                 | 100325-0                  | San Jose          | CA                        |
| Eastern Materials Testing Laboratory                              | 100315-0                  | New Britain       | CT                        |
| Fairfield Testing Laboratory, Inc.                                | 100317-0                  | Stamford          | CT                        |
| Fairway Testing Company, Inc.                                     | 100340-0                  | Stony Point       | NY                        |
| H.C. Nutting Company                                              | 100131-0                  | Cincinnati        | OH                        |
| Independent Materials Testing Laboratories,<br>Inc.               | 100316-0                  | Plainville        | CT                        |
| Inland Foundation Engineering, Inc.                               | 100406-0                  | San Jacinto       | CA                        |
| Materials Testing, Inc.                                           | 100320-0                  | Milford           | CT                        |
| PSI                                                               | 100319-0                  | New Haven         | CT                        |
| Special Testing Laboratories, Inc.                                | 100308-0                  | Bethel            | CT                        |
| STS Consultants, Ltd.                                             | 100191-0                  | Northbrook        | IL                        |
| Test-Con Incorporated                                             | 200018-0                  | Danbury           | CT                        |
| Testwell Craig Laboratories, Inc.                                 | 200083-0                  | Ossining          | NY                        |
| Tri-State Materials Testing Lab, Inc.                             | 200010-0                  | Newington         | CT                        |
| Vanasse Hangen Brustlin, Inc.                                     | 100400-0                  | Watertown         | MA                        |
| Washington Metropolitan Area Transit<br>Authority QLAS Laboratory | 100313-0                  | Washington        | DC                        |

# INDEX B. LISTING BY FIELD OF ACCREDITATION - continued

| LABORATORY NAME                                                      | NVLAP<br>LAB CODE | CITY            | STATE/<br>COUNTRY |
|----------------------------------------------------------------------|-------------------|-----------------|-------------------|
| <b><i>Efficiency of Electric Motors</i></b>                          |                   |                 |                   |
| Alternative Energy Corporation, Industrial<br>Electrotechnology Lab. | 200081-0          | Raleigh         | NC                |
| <b><i>Energy Efficient Lighting Products</i></b>                     |                   |                 |                   |
| Cooper Lighting - Metalux Research<br>Laboratories                   | 200050-0          | Americus        | GA                |
| GE Lighting- Technical Support                                       | 100398-0          | Cleveland       | OH                |
| Hubbell Lighting Photometric Laboratory                              | 200020-0          | Christiansburg  | VA                |
| Inchcape Testing Services NA, Inc.                                   | 100402-0          | Cortland        | NY                |
| Lithonia Testing Laboratories                                        | 200007-0          | Conyers         | GA                |
| Osram Sylvania Inc., Test & Measurements<br>Laboratory               | 100403-0          | Beverly         | MA                |
| Philips Lighting Corporate Calibration &<br>Standards Laboratory     | 100399-0          | Fairmont        | WV                |
| Thomas Lighting C & I Division,<br>Photometric Laboratory            | 200016-0          | Tupelo          | MS                |
| <b><i>Thermal Insulation Materials</i></b>                           |                   |                 |                   |
| Amoco Foam Products Quality Management<br>Laboratory                 | 100284-0          | Smyrna          | GA                |
| Center For Applied Engineering, Inc.                                 | 100417-0          | St. Petersburg  | FL                |
| Dow Chemical N. America Foam Products<br>Research, Prod. Perf. Lab.  | 100103-0          | Granville       | OH                |
| Geoscience Ltd.                                                      | 100142-0          | San Diego       | CA                |
| Holometrix, Inc.                                                     | 100113-0          | Bedford         | MA                |
| Inchcape Testing Services NA, Inc.                                   | 100402-0          | Cortland        | NY                |
| Inchcape Testing Services NA, Inc.                                   | 200031-0          | Middleton       | WI                |
| Insta-Foam Products, Inc.                                            | 100210-0          | Joliet          | IL                |
| Knauf Fiber Glass Research Laboratory                                | 100248-0          | Shelbyville     | IN                |
| Leveque Technical Center                                             | 100101-0          | Blue Bell       | PA                |
| Maxim Technologies, Inc.                                             | 200046-0          | St. Paul        | MN                |
| NAHB Research Center, Inc.                                           | 100104-0          | Upper Marlboro  | MD                |
| Owens Corning - Granville                                            | 100109-0          | Granville       | OH                |
| Resources, Applications, Designs & Control,<br>Inc. (RADCO)          | 100261-0          | Long Beach      | CA                |
| Schuller International, Inc., Mountain<br>Technical Center           | 100425-0          | Littleton       | CO                |
| SGS U.S. Testing Company, Inc.                                       | 100416-0          | Tulsa           | OK                |
| St. of California, Bur. of Home Furnishings<br>& Thermal Insulation  | 100251-0          | North Highlands | CA                |
| Underwriters Laboratories Inc.                                       | 100414-0          | Northbrook      | IL                |
| <b><i>Wood Based Products</i></b>                                    |                   |                 |                   |
| APA - The Engineered Wood Association<br>Research Center             | 100423-0          | Tacoma          | WA                |
| National Particleboard Association                                   | 100418-0          | Gaithersburg    | MD                |
| PFS Corporation                                                      | 100421-0          | Madison         | WI                |
| Professional Service Industries, Inc.,<br>Pittsburgh Test. Lab. Div. | 100430-0          | Eugene          | OR                |
| Timberco, Inc.- dba TECO                                             | 100420-0          | Eugene          | OR                |

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**C**

**LISTING BY  
STATE/  
COUNTRY**



# INDEX C. LISTING BY STATE/COUNTRY

| LABORATORY NAME                                                      | NVLAP<br>LAB CODE | CITY             | STATE/<br>COUNTRY | FIELD       |
|----------------------------------------------------------------------|-------------------|------------------|-------------------|-------------|
| <b>AK</b>                                                            |                   |                  |                   |             |
| Northern Testing Laboratories, Inc.                                  | 101463-0          | Fairbanks        | AK                | PLM         |
| Solar Environmental Services, Inc.                                   | 102006-0          | Anchorage        | AK                | PLM         |
| White Environmental Consultants Inc.                                 | 200124-0          | Anchorage        | AK                | PLM         |
| <b>AL</b>                                                            |                   |                  |                   |             |
| Benchmark Engineering Inc.                                           | 101018-0          | Auburn           | AL                | PLM         |
| Law Engineering and Environmental<br>Services, Inc.                  | 101066-0          | Birmingham       | AL                | PLM         |
| MacMillan Bloedel Packaging, Inc.,<br>Combined Board Test Lab        | 100259-0          | Pine Hill        | AL                | Commercial  |
| Northwest Envirocon, Inc.                                            | 101869-2          | Muscle Shoals    | AL                | PLM         |
| Roy F. Weston, Inc.                                                  | 101254-0          | Auburn           | AL                | PLM         |
| Safety Environmental Laboratories, Inc.                              | 101588-0          | Birmingham       | AL                | PLM         |
| Tennessee Valley Authority, Western Area<br>Radiological Laboratory  | 200022-0          | Muscle Shoals    | AL                | Dosimetry   |
| U.S. Army Ionizing Radiation Dosimetry<br>Center (USAIRDC)           | 100539-0          | Redstone Arsenal | AL                | Dosimetry   |
| U.S. Army Primary Standards Laboratory                               | 105004-0          | Redstone Arsenal | AL                | Calibration |
| University of Alabama Asbestos Laboratory                            | 102005-0          | Tuscaloosa       | AL                | PLM         |
| <b>AR</b>                                                            |                   |                  |                   |             |
| ATOKA, Inc.                                                          | 101671-0          | Little Rock      | AR                | PLM         |
| Entergy Operations, Inc. - Arkansas Nuclear<br>One                   | 100535-0          | Russellville     | AR                | Dosimetry   |
| Environmental Enterprise Group(EEG), Inc.                            | 101587-0          | Russellville     | AR                | PLM         |
| Environmental Enterprise Group(EEG), Inc.                            | 101587-0          | Russellville     | AR                | TEM         |
| <b>AZ</b>                                                            |                   |                  |                   |             |
| Arizona Public Service Co., Palo Verde<br>Nuclear Generating Station | 100536-0          | Tonopah          | AZ                | Dosimetry   |
| Asbestos Analytical                                                  | 101771-0          | Tucson           | AZ                | PLM         |
| Bellatrix Analytical Laboratories, LLC                               | 102110-0          | Scottsdale       | AZ                | PLM         |
| Continental Envirotech, Inc.                                         | 200080-0          | Mesa             | AZ                | PLM         |
| Environmental Management Consultants, Inc.                           | 101926-0          | Phoenix          | AZ                | PLM         |
| Fiberquant, Inc.                                                     | 101031-0          | Phoenix          | AZ                | PLM         |
| Fiberquant, Inc.                                                     | 101031-0          | Phoenix          | AZ                | TEM         |
| Law/Crandall                                                         | 102035-0          | Phoenix          | AZ                | PLM         |
| Motorola SSTG EMC/TEMPEST Laboratory                                 | 100405-0          | Scottsdale       | AZ                | FCC         |
| Motorola SSTG EMC/TEMPEST Laboratory                                 | 100405-0          | Scottsdale       | AZ                | MIL-STD-462 |
| Open Systems Environment Testing<br>Laboratory                       | 100385-0          | Ft. Huachuca     | AZ                | GOSIP       |
| <b>CA</b>                                                            |                   |                  |                   |             |
| AMS-NATEC Environmental Services, Inc.                               | 101155-0          | Garden Grove     | CA                | PLM         |
| Analytical Labs San Francisco, Inc.                                  | 101909-0          | San Francisco    | CA                | PLM         |
| Apple Computer, Inc., EMC Compliance<br>Laboratory                   | 200071-0          | Cupertino        | CA                | FCC         |
| ASBESTECH                                                            | 101442-0          | Carmichael       | CA                | PLM         |
| Asbestos Detection Co., Inc.                                         | 101172-0          | Garden Grove     | CA                | PLM         |
| Asbestos TEM Laboratories, Inc.                                      | 101891-0          | Berkeley         | CA                | PLM         |
| Asbestos TEM Laboratories, Inc.                                      | 101891-0          | Berkeley         | CA                | TEM         |

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| <b>LABORATORY NAME</b>                                            | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>      | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|-------------------------------------------------------------------|---------------------------|------------------|---------------------------|---------------|
| Bay Area Air Quality Management District                          | 102090-0                  | San Francisco    | CA                        | PLM           |
| Bentley Testing Laboratory                                        | 100288-0                  | City of Industry | CA                        | Carpet        |
| CAMCO Lab                                                         | 101803-0                  | Fontana          | CA                        | PLM           |
| City of Los Angeles Department of Water and Power                 | 101111-0                  | Los Angeles      | CA                        | PLM           |
| City of San Jose, Materials Testing Laboratory                    | 100325-0                  | San Jose         | CA                        | Construction  |
| Compatible Electronics, Inc.                                      | 200063-0                  | Brea             | CA                        | FCC           |
| Compliance Eng. Svces, Inc., Compliance Consulting Services       | 200065-0                  | Sunnyvale        | CA                        | FCC           |
| Concord Analysis, Inc.                                            | 101884-0                  | Chatsworth       | CA                        | PLM           |
| Concord Analysis, Inc.                                            | 101884-0                  | Chatsworth       | CA                        | TEM           |
| CT&E Environmental Services, Inc.                                 | 200067-0                  | San Diego        | CA                        | PLM           |
| CTL Environmental Services                                        | 101216-0                  | South Gate       | CA                        | PLM           |
| CTL Environmental Services                                        | 101216-0                  | South Gate       | CA                        | TEM           |
| Department of Environmental Health Industrial Hygiene Laboratory  | 101530-0                  | San Diego        | CA                        | PLM           |
| Design for Health, Inc.                                           | 101864-0                  | San Diego        | CA                        | PLM           |
| Ecologics Asbestos Laboratory Services                            | 101229-0                  | Anaheim          | CA                        | PLM           |
| Elliott Laboratories, Inc.                                        | 200069-0                  | Sunnyvale        | CA                        | FCC           |
| EMC Compliance Mgmt Group, dba Turntech Scientific & Instr., Inc. | 200068-0                  | Mountain View    | CA                        | FCC           |
| EMG, Company (Environmental Monitoring Group)                     | 200060-0                  | Garden Grove     | CA                        | PLM           |
| EMS Laboratories, Inc.                                            | 101218-0                  | Pasadena         | CA                        | PLM           |
| EMS Laboratories, Inc.                                            | 101218-0                  | Pasadena         | CA                        | TEM           |
| EMSL Analytical, Inc.                                             | 101048-3                  | San Mateo        | CA                        | PLM           |
| EMSL Analytical, Inc.                                             | 101048-3                  | San Mateo        | CA                        | TEM           |
| ENCORP                                                            | 200013-0                  | Culver City      | CA                        | PLM           |
| Forensic Analytical Specialties, Inc.                             | 101459-0                  | Hayward          | CA                        | PLM           |
| Forensic Analytical Specialties, Inc.                             | 101459-0                  | Hayward          | CA                        | TEM           |
| Forensic Analytical Specialties, Inc.                             | 101459-1                  | Rancho Domingues | CA                        | PLM           |
| Geoscience Ltd.                                                   | 100142-0                  | San Diego        | CA                        | Thermal Insl. |
| Health Science Associates                                         | 101384-0                  | Los Alamitos     | CA                        | PLM           |
| Hi-Tech Environmental and Laboratory Services                     | 102013-0                  | Cypress          | CA                        | PLM           |
| Hygeia Environmental Laboratories, Inc.                           | 102116-0                  | Sierra Madre     | CA                        | PLM           |
| Hygeia Environmental Laboratories, Inc.                           | 102116-0                  | Sierra Madre     | CA                        | TEM           |
| ICN Dosimetry Div., ICN Pharmaceuticals, Inc.                     | 100555-0                  | Costa Mesa       | CA                        | Dosimetry     |
| ICN Dosimetry Services, H.E. Division                             | 100532-0                  | Costa Mesa       | CA                        | Dosimetry     |
| InfoGard Laboratories                                             | 100432-0                  | San Luis Obispo  | CA                        | Cryptographic |
| Inland Foundation Engineering, Inc.                               | 100406-0                  | San Jacinto      | CA                        | Construction  |
| Kellco Services, Inc.                                             | 101331-0                  | Fremont          | CA                        | PLM           |
| Lockheed Martin Missiles & Space                                  | 105017-0                  | Sunnyvale        | CA                        | Calibration   |
| Los Angeles Harbor Department Testing Laboratory                  | 102020-0                  | Wilmington       | CA                        | PLM           |
| Los Angeles Unified School District                               | 101505-0                  | Los Angeles      | CA                        | PLM           |
| Los Angeles Unified School District                               | 101505-0                  | Los Angeles      | CA                        | TEM           |
| MACS Lab, Inc.                                                    | 101948-0                  | Santa Clara      | CA                        | PLM           |
| MACS Lab, Inc.                                                    | 101948-0                  | Santa Clara      | CA                        | TEM           |
| Micro Analytical Laboratories, Inc.                               | 101872-0                  | Emeryville       | CA                        | PLM           |

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| <b>LABORATORY NAME</b>                                               | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>     | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|----------------------------------------------------------------------|---------------------------|-----------------|---------------------------|---------------|
| Micro Analytical Laboratories, Inc.                                  | 101872-0                  | Emeryville      | CA                        | TEM           |
| Micro Analytical Laboratories, Inc.                                  | 200054-0                  | San Francisco   | CA                        | PLM           |
| Mindcraft, Inc.                                                      | 100342-0                  | Palo Alto       | CA                        | POSIX         |
| National Analytical Laboratories, Inc.                               | 102080-0                  | Roseville       | CA                        | PLM           |
| National Econ Corporation                                            | 102062-0                  | Irvine          | CA                        | PLM           |
| Northern Telecom Inc. (MCS)                                          | 100411-0                  | Santa Clara     | CA                        | FCC           |
| Pacific Gas & Electric Company, Diablo<br>Canyon Nuclear Power Plant | 100537-0                  | Avila Beach     | CA                        | Dosimetry     |
| PDE Laboratories                                                     | 200082-0                  | San Clemente    | CA                        | FCC           |
| Perennial, Inc.                                                      | 100344-0                  | Santa Clara     | CA                        | POSIX         |
| Precision Micro-Analysis, Inc.                                       | 101656-0                  | Sacramento      | CA                        | PLM           |
| PSI                                                                  | 101970-0                  | Brea            | CA                        | PLM           |
| Radiation Detection Company                                          | 100512-0                  | Sunnyvale       | CA                        | Dosimetry     |
| Resources, Applications, Designs & Control,<br>Inc. (RADCO)          | 100261-0                  | Long Beach      | CA                        | Thermal Insl. |
| Riverside County Department of<br>Environmental Health               | 101145-0                  | Riverside       | CA                        | PLM           |
| RJ Lee Group, Inc.                                                   | 101208-2                  | San Leandro     | CA                        | PLM           |
| RJ Lee Group, Inc.                                                   | 101208-2                  | San Leandro     | CA                        | TEM           |
| San Joaquin Environmental, Inc.                                      | 102117-0                  | Fresno          | CA                        | PLM           |
| Scope Laboratory                                                     | 102107-0                  | Los Angeles     | CA                        | PLM           |
| South Coast Air Quality Management District                          | 101567-0                  | Diamond Bar     | CA                        | PLM           |
| Southern California Edison                                           | 100506-0                  | San Clemente    | CA                        | Dosimetry     |
| Southern California Edison Company                                   | 105014-0                  | Westminster     | CA                        | Calibration   |
| St. of California, Bur. of Home Furnishings<br>& Thermal Insulation  | 100251-0                  | North Highlands | CA                        | Thermal Insl. |
| TUV Product Service, Inc.                                            | 100268-0                  | San Diego       | CA                        | FCC           |
| TUV Product Service, Inc.                                            | 100268-0                  | San Diego       | CA                        | MIL-STD-462   |
| Western Analytical Laboratory                                        | 200037-0                  | Burbank         | CA                        | PLM           |
| Western Electro-Acoustic Lab., Inc.                                  | 100256-0                  | Santa Monica    | CA                        | Acoustics     |

**CO**

|                                                            |          |                  |    |               |
|------------------------------------------------------------|----------|------------------|----|---------------|
| Alpine Consulting, Inc.                                    | 102089-0 | Colorado Springs | CO | PLM           |
| Analytica Solutions, Inc.                                  | 101086-0 | Broomfield       | CO | PLM           |
| Analytica Solutions, Inc.                                  | 101086-0 | Broomfield       | CO | TEM           |
| ATC Environmental, Inc.                                    | 102031-0 | Denver           | CO | PLM           |
| DCM Science Laboratory, Inc.                               | 101258-0 | Lakewood         | CO | PLM           |
| Digital Equipment Corp., EMC Test Facility                 | 200078-0 | Colorado Springs | CO | FCC           |
| Environmental Science & Engineering, Inc.                  | 101991-0 | Englewood        | CO | PLM           |
| FRS Geotech, Inc.                                          | 102078-0 | Denver           | CO | PLM           |
| Intellistor Open Area Test Site                            | 100396-0 | Rollinsville     | CO | FCC           |
| National Enforcement Investigations Center -<br>U.S. EPA   | 101703-0 | Denver           | CO | PLM           |
| National Environmental Reference<br>Laboratory             | 101593-0 | Denver           | CO | PLM           |
| Occupational Health Technologies, Inc.                     | 101436-0 | Colorado Springs | CO | PLM           |
| Reservoirs Environmental Services, Inc.                    | 101896-0 | Denver           | CO | PLM           |
| Reservoirs Environmental Services, Inc.                    | 101896-0 | Denver           | CO | TEM           |
| Schuller International, Inc., Mountain<br>Technical Center | 100425-0 | Littleton        | CO | Acoustics     |
| Schuller International, Inc., Mountain<br>Technical Center | 100425-0 | Littleton        | CO | Thermal Insl. |

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| <b>LABORATORY NAME</b>                                         | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>          | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|----------------------------------------------------------------|---------------------------|----------------------|---------------------------|---------------|
| TUV Product Service, Inc.                                      | 100271-1                  | Lyons                | CO                        | FCC           |
| <b>CT</b>                                                      |                           |                      |                           |               |
| Aetna Life & Casualty                                          | 101516-0                  | Windsor              | CT                        | PLM           |
| ChemScope, Inc.                                                | 101061-0                  | North Haven          | CT                        | PLM           |
| Combustion Engineering, Inc.                                   | 100563-0                  | Windsor              | CT                        | Dosimetry     |
| Eastern Materials Testing Laboratory                           | 100315-0                  | New Britain          | CT                        | Construction  |
| Electric Boat Corp/A General Dynamics Co.                      | 100560-0                  | Groton               | CT                        | Dosimetry     |
| Radiological Ctrl. Dept                                        |                           |                      |                           |               |
| EnviroMed Services, Inc.                                       | 101514-0                  | New Haven            | CT                        | PLM           |
| Environmental Health Laboratory                                | 101034-0                  | Cromwell             | CT                        | PLM           |
| Fairfield Testing Laboratory, Inc.                             | 100317-0                  | Stamford             | CT                        | Construction  |
| HYGENIX, INC.                                                  | 101199-0                  | Stamford             | CT                        | PLM           |
| Independent Materials Testing Laboratories, Inc.               | 100316-0                  | Plainville           | CT                        | Construction  |
| Materials Testing, Inc.                                        | 100320-0                  | Milford              | CT                        | Construction  |
| Mystic Air Quality Consultants, Inc.                           | 101282-0                  | Groton               | CT                        | PLM           |
| Northeast Utilities Service Company                            | 100540-0                  | Newington            | CT                        | Dosimetry     |
| Dosimetry Laboratory                                           |                           |                      |                           |               |
| PSI                                                            | 100319-0                  | New Haven            | CT                        | Construction  |
| Special Testing Laboratories, Inc.                             | 100308-0                  | Bethel               | CT                        | Construction  |
| State of Connecticut                                           | 101237-0                  | Hartford             | CT                        | PLM           |
| Test-Con Incorporated                                          | 200018-0                  | Danbury              | CT                        | Construction  |
| TRC Environmental Corporation                                  | 101424-0                  | Windsor              | CT                        | PLM           |
| Tri-State Materials Testing Lab, Inc.                          | 200010-0                  | Newington            | CT                        | Construction  |
| <b>DC</b>                                                      |                           |                      |                           |               |
| Washington Metropolitan Area Transit Authority QLAS Laboratory | 100313-0                  | Washington           | DC                        | Construction  |
| <b>DE</b>                                                      |                           |                      |                           |               |
| Batta Laboratories, Inc.                                       | 101032-0                  | Newark               | DE                        | PLM           |
| Batta Laboratories, Inc.                                       | 101032-0                  | Newark               | DE                        | TEM           |
| Environmental Testing, Inc.                                    | 101848-0                  | Middletown           | DE                        | PLM           |
| <b>FL</b>                                                      |                           |                      |                           |               |
| Advanced Industrial Hygiene Services, Inc.                     | 101006-0                  | Miami                | FL                        | PLM           |
| Apollo Environmental, Inc.                                     | 101871-0                  | Gibsonton            | FL                        | PLM           |
| Asbestech Laboratories, Inc.                                   | 101988-0                  | Pompano Beach        | FL                        | PLM           |
| ATEC Associates, Inc.                                          | 101265-8                  | Miami                | FL                        | PLM           |
| ATEC Associates, Inc.                                          | 101265-8                  | Miami                | FL                        | TEM           |
| Center For Applied Engineering, Inc.                           | 100417-0                  | St. Petersburg       | FL                        | Acoustics     |
| Center For Applied Engineering, Inc.                           | 100417-0                  | St. Petersburg       | FL                        | Commercial    |
| Center For Applied Engineering, Inc.                           | 100417-0                  | St. Petersburg       | FL                        | Thermal Insl. |
| Dove Environmental Corporation                                 | 102053-0                  | Miami Lakes          | FL                        | PLM           |
| E. M. Analytical, Inc.                                         | 101902-0                  | Dania                | FL                        | TEM           |
| EG&G Environmental Health Laboratory                           | 101759-0                  | Kennedy Space Center | FL                        | PLM           |
| Evans Environmental & Geological Science and Management, Inc.  | 101775-0                  | Miami                | FL                        | PLM           |
| Evans Environmental & Geological Science and Management, Inc.  | 101775-0                  | Miami                | FL                        | TEM           |
| Florida Power & Light Company                                  | 100544-0                  | Juno Beach           | FL                        | Dosimetry     |

**INDEX C. LISTING BY STATE/COUNTRY - continued**

| <b>LABORATORY NAME</b>                                              | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>          | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b> |
|---------------------------------------------------------------------|---------------------------|----------------------|---------------------------|--------------|
| GLE Associates, Inc.                                                | 102003-0                  | Tampa                | FL                        | PLM          |
| Henderson/Longfellow Associates, Inc.                               | 102077-0                  | Brandon              | FL                        | PLM          |
| Law Engineering and Environmental<br>Services, Inc.                 | 101515-0                  | Tampa                | FL                        | PLM          |
| Law Engineering and Environmental<br>Services, Inc.                 | 101515-1                  | Miami Lakes          | FL                        | PLM          |
| Micro Analytical Laboratories, Inc.                                 | 101151-0                  | Gainesville          | FL                        | PLM          |
| Micro Analytical Laboratories, Inc.                                 | 101151-0                  | Gainesville          | FL                        | TEM          |
| Occupational Health Conservation, Inc.                              | 102050-0                  | Jacksonville         | FL                        | PLM          |
| PRIMES (Preflight Integration of Munitions<br>& Electronic Systems) | 100422-0                  | Eglin Air Force Base | FL                        | MIL-STD-462  |
| R. Robinson Analytical Services, Inc.                               | 102041-0                  | Pensacola            | FL                        | PLM          |
| Testwell Craig Laboratories & Consultants,<br>Inc.                  | 102096-0                  | Davie                | FL                        | PLM          |

**GA**

|                                                                      |          |             |    |               |
|----------------------------------------------------------------------|----------|-------------|----|---------------|
| American Carpet Laboratories, Inc.                                   | 100139-0 | Ringgold    | GA | Carpet        |
| Amoco Foam Products Quality Management<br>Laboratory                 | 100284-0 | Smyrna      | GA | Thermal Insl. |
| Analytical Environmental Services, Inc.                              | 102033-0 | Atlanta     | GA | PLM           |
| Applied Environmental Testing Laboratories,<br>Inc.                  | 101063-0 | Atlanta     | GA | PLM           |
| ATEC Associates, Inc.                                                | 102087-0 | Marietta    | GA | PLM           |
| Cape Environmental Management, Inc.                                  | 102111-0 | Atlanta     | GA | PLM           |
| Clayton Environmental Consultants, Inc.                              | 101125-0 | Kennesaw    | GA | PLM           |
| Clayton Environmental Consultants, Inc.                              | 101125-0 | Kennesaw    | GA | TEM           |
| Commercial Testing Company                                           | 100120-0 | Dalton      | GA | Carpet        |
| Cooper Lighting - Metalux Research<br>Laboratories                   | 200050-0 | Americus    | GA | Lighting      |
| Coronet Industries, Inc.                                             | 100190-0 | Dalton      | GA | Carpet        |
| E. I. du Pont Co.                                                    | 100334-0 | Dalton      | GA | Carpet        |
| EMSL Analytical, Inc.                                                | 101048-1 | Smyrna      | GA | PLM           |
| EMSL Analytical, Inc.                                                | 101048-1 | Smyrna      | GA | TEM           |
| Environmental Health Laboratory                                      | 101116-0 | Macon       | GA | PLM           |
| Geo-Analytical Services, Inc.                                        | 102082-0 | Atlanta     | GA | PLM           |
| Geo-Analytical Services, Inc.                                        | 102082-0 | Atlanta     | GA | TEM           |
| Georgia Department of Agriculture Weights<br>and Measures Laboratory | 105006-0 | Forest Park | GA | Calibration   |
| Georgia Power Company/Enviro. Affairs,<br>Enviro. Lab-Dosimetry      | 100551-0 | Smyrna      | GA | Dosimetry     |
| GSC Environmental Laboratories, Inc.                                 | 101626-0 | Augusta     | GA | PLM           |
| Inchcape Testing Services NA, Inc.                                   | 100409-0 | Norcross    | GA | FCC           |
| Independent Textile Testing Service, Inc.                            | 100166-0 | Dalton      | GA | Carpet        |
| Lithonia Testing Laboratories                                        | 200007-0 | Conyers     | GA | Lighting      |
| Materials Analytical Services, Inc.                                  | 101235-0 | Norcross    | GA | PLM           |
| Materials Analytical Services, Inc.                                  | 101235-0 | Norcross    | GA | TEM           |
| Mohawk Industries, Inc.- Lyerly Plant                                | 100156-0 | Lyerly      | GA | Carpet        |
| Professional Testing Laboratory, Inc.                                | 100297-0 | Dalton      | GA | Carpet        |
| Queen Carpet Test Laboratory                                         | 100429-0 | Dalton      | GA | Carpet        |
| Shaw Industries, Inc., Technical Services                            | 100193-0 | Dalton      | GA | Carpet        |
| TSI, Testing Services, Inc.                                          | 100108-0 | Dalton      | GA | Carpet        |
| World Carpets, Inc.                                                  | 100197-0 | Dalton      | GA | Carpet        |

**INDEX C. LISTING BY STATE/COUNTRY - continued**

| LABORATORY NAME                               | NVLAP<br>LAB CODE | CITY           | STATE/<br>COUNTRY | FIELD         |
|-----------------------------------------------|-------------------|----------------|-------------------|---------------|
| <b>HI</b>                                     |                   |                |                   |               |
| EnvironMETeo Services Inc.                    | 101807-0          | Waipahu        | HI                | PLM           |
| Muranaka Environmental Consultants, Inc.      | 102085-0          | Honolulu       | HI                | PLM           |
| <b>IA</b>                                     |                   |                |                   |               |
| Iowa Environmental Services, Inc.             | 101990-0          | Des Moines     | IA                | PLM           |
| Norand EMC Test Laboratory                    | 100269-0          | Cedar Rapids   | IA                | FCC           |
| University (State) Hygienic Laboratory        | 101288-0          | Iowa City      | IA                | PLM           |
| University (State) Hygienic Laboratory        | 101288-0          | Iowa City      | IA                | TEM           |
| <b>IL</b>                                     |                   |                |                   |               |
| Aires Consulting Services, Inc.               | 101014-0          | Batavia        | IL                | PLM           |
| Aires Consulting Services, Inc.               | 101014-0          | Batavia        | IL                | TEM           |
| Beling Consultants, Inc.                      | 101356-0          | Moline         | IL                | PLM           |
| Carnow, Conibear & Associates Ltd.            | 101039-0          | Chicago        | IL                | PLM           |
| Carnow, Conibear & Associates Ltd.            | 101039-0          | Chicago        | IL                | TEM           |
| Clinton Power Station                         | 100570-0          | Clinton        | IL                | Dosimetry     |
| ComEd                                         | 101749-0          | Bolingbrook    | IL                | PLM           |
| ComEd - TLD Processing Lab - CTEAM Facility   | 100541-0          | Bolingbrook    | IL                | Dosimetry     |
| D.L.S. Electronic Systems, Inc.               | 100276-0          | Wheeling       | IL                | FCC           |
| Daily Analytical Laboratories                 | 101322-0          | Peoria         | IL                | PLM           |
| Elite Electronic Engineering Company          | 100278-0          | Downers Grove  | IL                | FCC           |
| Elite Electronic Engineering Company          | 100278-0          | Downers Grove  | IL                | MIL-STD-462   |
| Hygieneering, Inc.                            | 101997-0          | Burr Ridge     | IL                | PLM           |
| Insta-Foam Products, Inc.                     | 100210-0          | Joliet         | IL                | Thermal Insl. |
| JMS Environmental Associates, Ltd.            | 102012-0          | Westmont       | IL                | PLM           |
| KETER Consultants, Inc.                       | 101727-0          | Willow Springs | IL                | PLM           |
| Landauer, Inc.                                | 100518-0          | Glenwood       | IL                | Dosimetry     |
| Midwest Laboratories, Inc.                    | 101894-0          | Countryside    | IL                | PLM           |
| Midwest Laboratories, Inc.                    | 101894-0          | Countryside    | IL                | TEM           |
| Philip Environmental Services Corp.           | 101192-0          | Columbia       | IL                | PLM           |
| RCM Laboratories, Inc.                        | 101853-0          | Brookfield     | IL                | PLM           |
| Riverbank Acoustical Laboratories             | 100227-0          | Geneva         | IL                | Acoustics     |
| STAT Analysis Corporation                     | 101202-0          | Chicago        | IL                | PLM           |
| STAT Analysis Corporation                     | 101202-0          | Chicago        | IL                | TEM           |
| STS Consultants, Ltd.                         | 100191-0          | Northbrook     | IL                | Construction  |
| TEM, Incorporated                             | 101130-0          | Glen Ellyn     | IL                | PLM           |
| TEM, Incorporated                             | 101130-0          | Glen Ellyn     | IL                | TEM           |
| Underwriters Laboratories Inc.                | 100414-0          | Northbrook     | IL                | FCC           |
| Underwriters Laboratories Inc.                | 100414-0          | Northbrook     | IL                | Thermal Insl. |
| United Analytical Services, Inc.              | 101732-0          | Hillside       | IL                | PLM           |
| <b>IN</b>                                     |                   |                |                   |               |
| ACM Environmental, Inc.                       | 101977-0          | South Bend     | IN                | PLM           |
| Aearo Company, E-A-RCAL Acoustical Laboratory | 100374-0          | Indianapolis   | IN                | Acoustics     |
| ATEC Associates, Inc.                         | 101265-0          | Indianapolis   | IN                | PLM           |
| ATEC Associates, Inc.                         | 101265-0          | Indianapolis   | IN                | TEM           |
| Environmental Service Group                   | 102029-0          | Indianapolis   | IN                | PLM           |
| Knauf Fiber Glass Research Laboratory         | 100248-0          | Shelbyville    | IN                | Thermal Insl. |
| Micro Air, Inc.                               | 101221-0          | Indianapolis   | IN                | PLM           |

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| <b>LABORATORY NAME</b>                                               | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>  | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|----------------------------------------------------------------------|---------------------------|--------------|---------------------------|---------------|
| <b>KS</b>                                                            |                           |              |                           |               |
| Asbestos Consulting & Testing (ACT)                                  | 101649-0                  | Lenexa       | KS                        | PLM           |
| Professional Service Industries, Inc.                                | 101342-0                  | Lawrence     | KS                        | PLM           |
| <b>KY</b>                                                            |                           |              |                           |               |
| Analytical Industries, Inc.                                          | 101855-0                  | Paducah      | KY                        | PLM           |
| Analytical Management, Inc.                                          | 101224-0                  | Louisville   | KY                        | PLM           |
| Big Rivers Electric Corp.                                            | 200028-0                  | Henderson    | KY                        | PLM           |
| Inchcape Testing Services NA, Inc.                                   | 100274-0                  | Lexington    | KY                        | FCC           |
| M.S.L. Guardian                                                      | 101399-0                  | Louisville   | KY                        | PLM           |
| McCall and Spero Environmental, Inc.                                 | 101895-0                  | Louisville   | KY                        | PLM           |
| McCall and Spero Environmental, Inc.                                 | 101895-0                  | Louisville   | KY                        | TEM           |
| MRS., Analytical Laboratory, Inc.                                    | 102113-0                  | Louisville   | KY                        | PLM           |
| <b>LA</b>                                                            |                           |              |                           |               |
| Inchcape Testing Services NA, Inc.                                   | 101468-0                  | Baton Rouge  | LA                        | PLM           |
| Louisiana Department of Environmental<br>Quality Microanalytical Lab | 102000-0                  | Baton Rouge  | LA                        | PLM           |
| <b>MA</b>                                                            |                           |              |                           |               |
| Acton Environmental Testing, dba National<br>Technical Systems       | 100347-0                  | Acton        | MA                        | MIL-STD-462   |
| Barnes and Jarnis, Inc.                                              | 101553-0                  | Boston       | MA                        | PLM           |
| Chomerics Test Services (CTS)                                        | 100296-0                  | Woburn       | MA                        | FCC           |
| Covino Environmental Associates, Inc.                                | 101781-0                  | Woburn       | MA                        | PLM           |
| Curtis-Straus LLC                                                    | 200057-0                  | Littleton    | MA                        | FCC           |
| Data General Corporation                                             | 100339-0                  | Westboro     | MA                        | FCC           |
| Digital Equipment Corporation, Marlboro<br>E.M.C. Test Facilities    | 100413-0                  | Marlboro     | MA                        | FCC           |
| Holometrix, Inc.                                                     | 100113-0                  | Bedford      | MA                        | Thermal Insl. |
| Hub Testing Laboratory, Inc.                                         | 101045-0                  | Waltham      | MA                        | PLM           |
| Hygeia Environmental Inc.                                            | 102068-0                  | Dedham       | MA                        | PLM           |
| Hygeia ProScience Laboratories, Inc.                                 | 101011-0                  | Woburn       | MA                        | PLM           |
| Hygeia ProScience Laboratories, Inc.                                 | 101011-0                  | Woburn       | MA                        | TEM           |
| Hygienetics Laboratory Services                                      | 101147-0                  | Boston       | MA                        | PLM           |
| Hygienetics Laboratory Services                                      | 101147-0                  | Boston       | MA                        | TEM           |
| IEA - Massachusetts                                                  | 101005-0                  | N. Billerica | MA                        | PLM           |
| IEA - Massachusetts                                                  | 101005-0                  | N. Billerica | MA                        | TEM           |
| Inchcape Testing Services NA, Inc.                                   | 100270-0                  | Boxborough   | MA                        | FCC           |
| Inchcape Testing Services NA, Inc.                                   | 100270-0                  | Boxborough   | MA                        | MIL-STD-462   |
| Instron Force Calibration Laboratory                                 | 105023-0                  | Canton       | MA                        | Calibration   |
| Integrity Design & Test Services, Inc.                               | 200004-0                  | Littleton    | MA                        | FCC           |
| Motorola Product Quality Assurance<br>Laboratory                     | 200005-0                  | Mansfield    | MA                        | FCC           |
| Osram Sylvania Inc., Test & Measurements<br>Laboratory               | 100403-0                  | Beverly      | MA                        | Lighting      |
| ProScience Analytical Services, Inc.                                 | 200090-0                  | Woburn       | MA                        | PLM           |
| ProScience Analytical Services, Inc.                                 | 200090-0                  | Woburn       | MA                        | TEM           |
| Quest Engineering Solutions, Inc.                                    | 200036-0                  | Billerica    | MA                        | FCC           |
| Recon Environmental Corp.                                            | 102079-0                  | Weymouth     | MA                        | PLM           |
| Test Site Services, Inc.                                             | 100419-0                  | Marlboro     | MA                        | FCC           |
| Vanassee Hangen Brustlin, Inc.                                       | 100400-0                  | Watertown    | MA                        | Construction  |

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|------------------------------------------------------------------|---------------------------|-------------------------|---------------------------|---------------|
| Yankee Atomic Electric Company,<br>Environmental Laboratory      | 100524-0                  | Bolton                  | MA                        | Dosimetry     |
| <b>MD</b>                                                        |                           |                         |                           |               |
| Alliant Techsystems                                              | 200084-0                  | Annapolis               | MD                        | FCC           |
| AMA Analytical Services, Inc.                                    | 101143-0                  | Lanham                  | MD                        | PLM           |
| AMA Analytical Services, Inc.                                    | 101143-0                  | Lanham                  | MD                        | TEM           |
| ATEC Associates, Inc.                                            | 101265-10                 | Columbia                | MD                        | PLM           |
| Baltimore Gas & Electric Company                                 | 100501-0                  | Lusby                   | MD                        | Dosimetry     |
| CDRH X-Ray Calibration Laboratory                                | 105018-0                  | Rockville               | MD                        | Calibration   |
| DHMH-Air Quality Laboratory                                      | 101523-0                  | Baltimore               | MD                        | PLM           |
| ManTech Environmental Corporation                                | 101277-0                  | Rockville               | MD                        | PLM           |
| ManTech Environmental Corporation                                | 101277-0                  | Rockville               | MD                        | TEM           |
| MET Laboratories, Inc.                                           | 100273-0                  | Baltimore               | MD                        | FCC           |
| NAHB Research Center, Inc.                                       | 100104-0                  | Upper Marlboro          | MD                        | Thermal Insl. |
| National Particleboard Association                               | 100418-0                  | Gaithersburg            | MD                        | Wood Prod.    |
| Naval Dosimetry Center                                           | 100504-0                  | Bethesda                | MD                        | Dosimetry     |
| NAWC AD 5.1.7.3. EMI Lab                                         | 100408-0                  | Patuxent River          | MD                        | MIL-STD-462   |
| PCTEST Engineering Laboratory, Inc.                              | 100431-0                  | Columbia                | MD                        | FCC           |
| Rockford Engineering Services                                    | 200075-0                  | St. Leonard             | MD                        | FCC           |
| Spectrum Research & Testing Laboratory,<br>Inc.                  | 200100-0                  | Owing                   | MD                        | FCC           |
| U.S. Army Center for Health Promotion and<br>Preventive Medicine | 200044-0                  | Aberdeen Proving Ground | MD                        | PLM           |
| Washington Laboratories, Ltd.                                    | 200066-0                  | Gaithersburg            | MD                        | FCC           |
| <b>ME</b>                                                        |                           |                         |                           |               |
| Northeast Test Consultants                                       | 101565-0                  | Westbrook               | ME                        | PLM           |
| <b>MI</b>                                                        |                           |                         |                           |               |
| AAC Trinity, Inc.                                                | 101168-0                  | Farmington Hills        | MI                        | PLM           |
| Apex Research Laboratory                                         | 102118-0                  | Whitmore Lake           | MI                        | PLM           |
| Detroit Edison, Fermi 2 Dosimetry<br>Laboratory                  | 100529-0                  | Newport                 | MI                        | Dosimetry     |
| Eaton E3 Laboratory                                              | 100382-0                  | Southfield              | MI                        | MIL-STD-462   |
| EMSL Analytical, Inc.                                            | 101048-4                  | Ann Arbor               | MI                        | PLM           |
| EMSL Analytical, Inc.                                            | 101048-4                  | Ann Arbor               | MI                        | TEM           |
| ERT Testing Services                                             | 101295-0                  | Highland Park           | MI                        | PLM           |
| Fibertec, Inc.                                                   | 101510-0                  | Holt                    | MI                        | PLM           |
| WMI Environmental Services                                       | 102065-0                  | Kalamazoo               | MI                        | PLM           |
| <b>MN</b>                                                        |                           |                         |                           |               |
| 3M Product Safety EMC Laboratory                                 | 200033-0                  | St. Paul                | MN                        | FCC           |
| Braun Intertec Corporation                                       | 101234-0                  | Minneapolis             | MN                        | PLM           |
| Braun Intertec Corporation                                       | 101234-0                  | Minneapolis             | MN                        | TEM           |
| Control Data OSI Accredited Test Center                          | 100354-0                  | Arden Hills             | MN                        | GOSIP         |
| Delta Environmental Consultants, Inc.                            | 101966-0                  | St. Paul                | MN                        | PLM           |
| Detecon, Inc. Type Approval Division                             | 200039-0                  | St. Paul                | MN                        | FCC           |
| Inchcape Testing Services NA, Inc.                               | 200049-0                  | Lake Elmo               | MN                        | FCC           |
| Institute for Environmental Assessment                           | 101249-0                  | Brooklyn Park           | MN                        | PLM           |
| Institute for Environmental Assessment                           | 101249-0                  | Brooklyn Park           | MN                        | TEM           |
| Legend Technical Services, Inc.                                  | 102081-0                  | St. Paul                | MN                        | PLM           |
| Maxim Technologies, Inc.                                         | 200046-0                  | St. Paul                | MN                        | Acoustics     |

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|-----------------------------------|---------------------------|--------------|---------------------------|---------------|
| Maxim Technologies, Inc.          | 200046-0                  | St. Paul     | MN                        | PLM           |
| Maxim Technologies, Inc.          | 200046-0                  | St. Paul     | MN                        | Thermal Insl. |
| Milan Asbestos Laboratory         | 102095-0                  | Milan        | MN                        | PLM           |
| Minnesota Metrology Laboratory    | 105003-0                  | St. Paul     | MN                        | Calibration   |
| NOVA Environmental Services, Inc. | 101545-0                  | Chaska       | MN                        | PLM           |
| TUV Product Service, Inc.         | 100271-0                  | New Brighton | MN                        | FCC           |
| TUV Product Service, Inc.         | 100271-0                  | New Brighton | MN                        | MIL-STD-462   |

**MO**

|                                        |          |                  |    |           |
|----------------------------------------|----------|------------------|----|-----------|
| Industrial Testing Laboratories, Inc.  | 101072-0 | St. Louis        | MO | PLM       |
| Industrial Testing Laboratories, Inc.  | 101072-0 | St. Louis        | MO | TEM       |
| Kingston Environmental Laboratory      | 200041-0 | Lee's Summit     | MO | PLM       |
| Larron Laboratory                      | 101415-0 | Cape Girardeau   | MO | PLM       |
| Mallinckrodt Group, Inc.               | 100503-0 | Maryland Heights | MO | Dosimetry |
| Microscopic Analysis, Inc.             | 101037-0 | St. Louis        | MO | PLM       |
| OCCU-TEC, Inc.                         | 102025-0 | Kansas City      | MO | PLM       |
| St. Louis County Department of Health  | 101506-0 | Clayton          | MO | PLM       |
| Union Electric Company, Callaway Plant | 100502-0 | Fulton           | MO | Dosimetry |

**MS**

|                                                           |          |        |    |          |
|-----------------------------------------------------------|----------|--------|----|----------|
| Thomas Lighting C & I Division,<br>Photometric Laboratory | 200016-0 | Tupelo | MS | Lighting |
|-----------------------------------------------------------|----------|--------|----|----------|

**MT**

|                          |          |          |    |     |
|--------------------------|----------|----------|----|-----|
| Maxim Technologies, Inc. | 101292-0 | Billings | MT | PLM |
|--------------------------|----------|----------|----|-----|

**NC**

|                                                                      |          |                        |    |                 |
|----------------------------------------------------------------------|----------|------------------------|----|-----------------|
| Alternative Energy Corporation, Industrial<br>Electrotechnology Lab. | 200081-0 | Raleigh                | NC | Electric Motors |
| Asbestos Analysis and Information Service,<br>Inc.                   | 101261-0 | Chapel Hill            | NC | PLM             |
| Carolina Environmental, Inc.                                         | 101768-0 | Raleigh                | NC | PLM             |
| Carolina Power & Light Company, Harris<br>Energy & Enviro. Center    | 100517-0 | New Hill               | NC | Dosimetry       |
| Duke Power Company Dosimetry Laboratory                              | 100505-0 | Charlotte              | NC | Dosimetry       |
| EEC, Inc.                                                            | 101088-0 | Raleigh                | NC | PLM             |
| EMSL Analytical, Inc.                                                | 102104-0 | Greensboro             | NC | PLM             |
| EMSL Analytical, Inc.                                                | 102104-0 | Greensboro             | NC | TEM             |
| Health & Hygiene, Inc.                                               | 101159-0 | Greensboro             | NC | PLM             |
| Law Engineering and Environmental<br>Services, Inc.                  | 101226-0 | Charlotte              | NC | PLM             |
| Mohawk Industries, Inc., Karastan Rug Mill<br>Testing                | 100178-0 | Eden                   | NC | Carpet          |
| S&ME, Inc.                                                           | 102075-0 | Charlotte              | NC | PLM             |
| Troxler Radiation Monitoring Svc. a div. of<br>Troxler Elect. Labs   | 100559-0 | Research Triangle Park | NC | Dosimetry       |

**ND**

|                           |          |             |    |     |
|---------------------------|----------|-------------|----|-----|
| A.R.C. Laboratories, Inc. | 101832-0 | Grand Forks | ND | PLM |
|---------------------------|----------|-------------|----|-----|

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| <b>NH</b>                                             |                   |                  |                   |             |
| Dames & Moore, Inc.                                   | 101433-0          | Salem            | NH                | PLM         |
| Digital Equipment Corporation                         | 100380-0          | Salem            | NH                | FCC         |
| Retlif Testing Laboratories                           | 100267-1          | Goffstown        | NH                | FCC         |
| The Scott Lawson Group, Ltd.                          | 101228-0          | Concord          | NH                | PLM         |
| <b>NJ</b>                                             |                   |                  |                   |             |
| AET Environmental, Inc.                               | 101610-0          | Cherry Hill      | NJ                | PLM         |
| Bell Laboratories, Division Lucent Technologies, Inc. | 101965-0          | Murray Hill      | NJ                | PLM         |
| CT&E Environmental Services                           | 101074-0          | Carlstadt        | NJ                | PLM         |
| Detail Associates, Inc.                               | 102100-0          | Englewood        | NJ                | PLM         |
| EAI, Inc.                                             | 102114-0          | Jersey City      | NJ                | PLM         |
| EMSL Analytical, Inc.                                 | 101048-0          | Westmont         | NJ                | PLM         |
| EMSL Analytical, Inc.                                 | 101048-0          | Westmont         | NJ                | TEM         |
| EMSL Analytical, Inc.                                 | 101048-2          | Piscataway       | NJ                | PLM         |
| EMSL Analytical, Inc.                                 | 101048-2          | Piscataway       | NJ                | TEM         |
| Enviro Techniques, Inc.                               | 200024-0          | Paterson         | NJ                | PLM         |
| Environmental Monitoring & Consulting Associates      | 101087-0          | Somerville       | NJ                | PLM         |
| Hillmann Environmental Company                        | 101421-0          | Union            | NJ                | PLM         |
| International Asbestos Testing Laboratory             | 101165-0          | Mt. Laurel       | NJ                | PLM         |
| International Asbestos Testing Laboratory             | 101165-0          | Mt. Laurel       | NJ                | TEM         |
| Lucent Technologies, Global Product Compliance Lab    | 100275-0          | Holmdel          | NJ                | FCC         |
| NJSP Calibration Laboratory                           | 200006-0          | Princeton        | NJ                | Dosimetry   |
| Omega Environmental Services                          | 101289-0          | Hackensack       | NJ                | PLM         |
| PMK Group, Inc.                                       | 101301-0          | Kenilworth       | NJ                | PLM         |
| Teledyne Brown Engineering Environmental Services     | 100533-0          | Westwood         | NJ                | Dosimetry   |
| Testwell Craig Testing Laboratories, Inc.             | 200083-1          | Mays Landing     | NJ                | PLM         |
| <b>NM</b>                                             |                   |                  |                   |             |
| Assaigai Analytical Laboratories, Inc.                | 101457-0          | Albuquerque      | NM                | PLM         |
| Sandia National Laboratories                          | 105002-0          | Albuquerque      | NM                | Calibration |
| Thermo NUtech                                         | 100515-0          | Albuquerque      | NM                | Dosimetry   |
| <b>NV</b>                                             |                   |                  |                   |             |
| Clark County School District                          | 101220-0          | Henderson        | NV                | PLM         |
| Converse Consultants MR, Inc.                         | 102091-0          | Reno             | NV                | PLM         |
| <b>NY</b>                                             |                   |                  |                   |             |
| ABM Environmental Consultants, Inc.                   | 102015-0          | Long Island City | NY                | PLM         |
| Airtek Environmental Corp.                            | 102011-0          | New York         | NY                | PLM         |
| Ambient Labs, Inc.                                    | 101618-0          | New York         | NY                | PLM         |
| Asbestos Control Program Laboratory                   | 101888-0          | Corona           | NY                | PLM         |
| ATC Environmental, Inc.                               | 101187-0          | New York         | NY                | PLM         |
| ATC Environmental, Inc.                               | 101187-0          | New York         | NY                | TEM         |
| Athenica Environmental Services, Inc.                 | 101958-0          | Long Island City | NY                | PLM         |
| Certelec Laboratories, Inc.                           | 100351-1          | Ogdensburg       | NY                | FCC         |
| Chopra-Lee, Inc.                                      | 200095-0          | Grand Island     | NY                | PLM         |
| Con Edison, Indian Point Station 2                    | 100538-0          | Buchanan         | NY                | Dosimetry   |

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| <b>LABORATORY NAME</b>                                           | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>      | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|------------------------------------------------------------------|---------------------------|------------------|---------------------------|---------------|
| D/L Laboratories                                                 | 100252-0                  | New York         | NY                        | Commercial    |
| Eastern Analytical Services, Inc.                                | 101646-0                  | Elmsford         | NY                        | PLM           |
| Eastern Analytical Services, Inc.                                | 101646-0                  | Elmsford         | NY                        | TEM           |
| EMSL Analytical, Inc.                                            | 101048-9                  | New York         | NY                        | PLM           |
| EMSL Analytical, Inc.                                            | 101048-9                  | New York         | NY                        | TEM           |
| EMSL Analytical, Inc.                                            | 101048-10                 | Carle Place      | NY                        | PLM           |
| EMSL Analytical, Inc.                                            | 101048-10                 | Carle Place      | NY                        | TEM           |
| EMSL Analytical, Inc.                                            | 200056-0                  | Williamsville    | NY                        | PLM           |
| EMSL Analytical, Inc.                                            | 200056-0                  | Williamsville    | NY                        | TEM           |
| Entek Environmental & Technical Services,<br>Inc.                | 101455-0                  | Troy             | NY                        | PLM           |
| Enviro-Probe, Inc.                                               | 101222-0                  | Bronx            | NY                        | PLM           |
| Environmental Testing Laboratories, Inc.                         | 101937-0                  | Farmingdale      | NY                        | TEM           |
| Fairway Testing Company, Inc.                                    | 100340-0                  | Stony Point      | NY                        | Construction  |
| Galson Laboratories                                              | 101375-0                  | East Syracuse    | NY                        | PLM           |
| Ginna Nuclear Station                                            | 100514-0                  | Ontario          | NY                        | Dosimetry     |
| IBM Hudson Valley Acoustics Laboratory                           | 100323-0                  | Poughkeepsie     | NY                        | Acoustics     |
| Inchcape Testing Services NA, Inc.                               | 100402-0                  | Cortland         | NY                        | Lighting      |
| Inchcape Testing Services NA, Inc.                               | 100402-0                  | Cortland         | NY                        | Thermal Insl. |
| Industrial Acoustics Company, Inc.,<br>Aero-Acoustics Laboratory | 100404-0                  | Bronx            | NY                        | Acoustics     |
| JLC Environmental Consultants, Inc.                              | 101953-0                  | New York         | NY                        | PLM           |
| KAM Consultants                                                  | 102047-0                  | Long Island City | NY                        | PLM           |
| KAM Consultants                                                  | 102047-0                  | Long Island City | NY                        | TEM           |
| National Testing Laboratories, Inc.                              | 101428-0                  | Long Island City | NY                        | PLM           |
| New York Testing Laboratories, Inc.                              | 101332-0                  | West Babylon     | NY                        | PLM           |
| New York Testing Laboratories, Inc.                              | 101332-0                  | West Babylon     | NY                        | TEM           |
| Niagara Mohawk Power Corporation - Nine<br>Mile Point            | 100553-0                  | Lycoming         | NY                        | Dosimetry     |
| Niche Analysis, Inc.                                             | 102057-0                  | Mount Vernon     | NY                        | PLM           |
| NY Environmental & Material Testing<br>Laboratories, Inc.        | 101967-0                  | Port Washington  | NY                        | PLM           |
| O'Brien & Gere Laboratories, Inc.                                | 101343-0                  | Syracuse         | NY                        | PLM           |
| O'Brien & Gere Laboratories, Inc.                                | 101343-0                  | Syracuse         | NY                        | TEM           |
| PSI                                                              | 101755-0                  | New York         | NY                        | PLM           |
| PSI, Inc.                                                        | 101070-0                  | Farmingdale      | NY                        | PLM           |
| Rapid Environmental Management, Inc.                             | 101974-0                  | Great Neck       | NY                        | PLM           |
| Retlif Testing Laboratories                                      | 100267-0                  | Ronkonkoma       | NY                        | FCC           |
| Retlif Testing Laboratories                                      | 100267-0                  | Ronkonkoma       | NY                        | MIL-STD-462   |
| Scientific Laboratories, Inc.                                    | 101904-1                  | New York         | NY                        | PLM           |
| Scientific Laboratories, Inc.                                    | 101904-1                  | New York         | NY                        | TEM           |
| TAKA Analytical Services, Inc.                                   | 101724-0                  | Northport        | NY                        | PLM           |
| Taylor Environmental Group, Inc.                                 | 102101-0                  | Floral Park      | NY                        | PLM           |
| Technical Services Laboratory                                    | 101558-0                  | Long Island City | NY                        | PLM           |
| Testing Mechanics Corp.                                          | 102001-0                  | Seaford          | NY                        | PLM           |
| Testwell Craig Laboratories, Inc.                                | 200083-0                  | Ossining         | NY                        | Construction  |
| Testwell Craig Laboratories, Inc.                                | 200083-0                  | Ossining         | NY                        | PLM           |
| Testwell Craig Laboratories, Inc.                                | 200083-0                  | Ossining         | NY                        | TEM           |
| Underwriters Laboratories, Inc.                                  | 100255-0                  | Melville         | NY                        | FCC           |
| Vartest Laboratories, Inc.                                       | 200027-0                  | New York         | NY                        | Carpet        |
| WKP Laboratories, Inc.                                           | 101950-0                  | Ossining         | NY                        | PLM           |

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| LABORATORY NAME                                                      | NVLAP<br>LAB CODE | CITY          | STATE/<br>COUNTRY | FIELD         |
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| <b>OH</b>                                                            |                   |               |                   |               |
| Affiliated Environmental Services, Inc.                              | 101007-0          | Sandusky      | OH                | PLM           |
| Allison Analytical Services, Inc.                                    | 101330-0          | Worthington   | OH                | PLM           |
| American Electric Power Service Corporation                          | 102102-0          | Columbus      | OH                | PLM           |
| ATC Associates Inc.                                                  | 102071-0          | Cincinnati    | OH                | PLM           |
| DataChem Laboratories                                                | 101917-0          | Cincinnati    | OH                | PLM           |
| DataChem Laboratories                                                | 101917-0          | Cincinnati    | OH                | TEM           |
| DLZ Laboratories, Inc.                                               | 101060-0          | Columbus      | OH                | PLM           |
| Dow Chemical N. America Foam Products<br>Research, Prod. Perf. Lab.  | 100103-0          | Granville     | OH                | Thermal Insl. |
| Electro-Analytical, Inc.                                             | 101019-0          | Mentor        | OH                | PLM           |
| EssTek Ohio, Inc.                                                    | 102093-0          | Cleveland     | OH                | PLM           |
| Fluor Daniel Fernald, Inc.                                           | 102010-0          | Cincinnati    | OH                | PLM           |
| GE Lighting- Technical Support                                       | 100398-0          | Cleveland     | OH                | Lighting      |
| Gelles Laboratories, Inc.                                            | 101170-0          | Columbus      | OH                | PLM           |
| Gelles Laboratories, Inc.                                            | 101170-0          | Columbus      | OH                | TEM           |
| H.C. Nutting Company                                                 | 100131-0          | Cincinnati    | OH                | Construction  |
| Lockheed Martin Utility Services, Inc.                               | 101383-0          | Piketon       | OH                | PLM           |
| m.a.c. Paran Consulting Services, Inc.                               | 102108-0          | Amelia        | OH                | PLM           |
| Owens Corning - Granville                                            | 100109-0          | Granville     | OH                | Thermal Insl. |
| Portsmouth Gaseous Diffusion Plant                                   | 100574-0          | Piketon       | OH                | Dosimetry     |
| Pro-Ac, Inc.                                                         | 101585-0          | Cincinnati    | OH                | PLM           |
| Quest Industrial Inc.                                                | 101062-0          | Youngstown    | OH                | PLM           |
| TolTest, Inc.                                                        | 101594-0          | Toledo        | OH                | PLM           |
| Tremco, Inc./BFGoodrich - Roofing Division                           | 101188-0          | Beachwood     | OH                | PLM           |
| Webber Gage Division / L.S. Starrett Co.                             | 200038-0          | Cleveland     | OH                | Calibration   |
| <b>OK</b>                                                            |                   |               |                   |               |
| Diversified Environmental Technologies, Inc.<br>(D.E.T.I.)           | 101621-0          | Oklahoma City | OK                | PLM           |
| Hollytex Carpet Mills, Inc.                                          | 100247-0          | Anadarko      | OK                | Carpet        |
| Oklahoma Dept. of Environmental<br>Quality-State Environmental Lab   | 102112-0          | Oklahoma City | OK                | PLM           |
| Precision Testing Laboratories, Inc.                                 | 101580-0          | Moore         | OK                | PLM           |
| QuanTEM Laboratories, LLC                                            | 101959-0          | Oklahoma City | OK                | PLM           |
| QuanTEM Laboratories, LLC                                            | 101959-0          | Oklahoma City | OK                | TEM           |
| SGS U.S. Testing Company, Inc.                                       | 100416-0          | Tulsa         | OK                | Commercial    |
| SGS U.S. Testing Company, Inc.                                       | 100416-0          | Tulsa         | OK                | Thermal Insl. |
| Standard Testing and Engineering Company                             | 101053-0          | Oklahoma City | OK                | PLM           |
| Stanley Engineering Inc.                                             | 101568-0          | Oklahoma City | OK                | PLM           |
| Stanley Engineering Inc.                                             | 101568-0          | Oklahoma City | OK                | TEM           |
| <b>OR</b>                                                            |                   |               |                   |               |
| ECS/Wagner Environmental                                             | 101064-0          | Eugene        | OR                | PLM           |
| Health Physics Northwest                                             | 100567-0          | Tigard        | OR                | Dosimetry     |
| Northwest EMC, Inc.                                                  | 200059-0          | Newberg       | OR                | FCC           |
| PBS Environmental Building Consultants,<br>Inc.                      | 101910-0          | Portland      | OR                | PLM           |
| Professional Service Industries, Inc.,<br>Pittsburgh Test. Lab. Div. | 100430-0          | Eugene        | OR                | Wood Prod.    |
| Timberco, Inc. - dba TECO                                            | 100420-0          | Eugene        | OR                | Wood Prod.    |

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| <b>LABORATORY NAME</b>                                               | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>        | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|----------------------------------------------------------------------|---------------------------|--------------------|---------------------------|---------------|
| Willamette Industries, Inc. West Coast<br>Development Lab            | 200045-0                  | Wilsonville        | OR                        | Commercial    |
| <b>PA</b>                                                            |                           |                    |                           |               |
| Accredited Environmental Technologies, Inc.                          | 101051-0                  | Media              | PA                        | PLM           |
| AGX, Inc.                                                            | 101578-0                  | Cranberry Township | PA                        | PLM           |
| Allegheny Asbestos Analysis                                          | 101704-0                  | Canonsburg         | PA                        | PLM           |
| American Testing Laboratories, Inc.                                  | 100146-0                  | Lancaster          | PA                        | Construction  |
| Armstrong Acoustic Labs, Armstrong World<br>Ind., Inc. Innov. Center | 100228-0                  | Lancaster          | PA                        | Acoustics     |
| BCM Engineers, Inc./Smith Environmental<br>Technologies Corporation  | 101374-0                  | Norristown         | PA                        | PLM           |
| Criterion Laboratories, Inc.                                         | 102046-0                  | Bensalem           | PA                        | PLM           |
| Dodge-Regupol, Inc. Laboratory                                       | 200030-0                  | Lancaster          | PA                        | Commercial    |
| Duquesne Light Company, Beaver Valley<br>Power Station               | 100521-0                  | Shippingport       | PA                        | Dosimetry     |
| Eagle Industrial Hygiene Associates, Inc.                            | 101536-0                  | Horsham            | PA                        | PLM           |
| GA Environmental Services, Inc.                                      | 101996-0                  | Eddystone          | PA                        | PLM           |
| GCI Environmental Advisory, Inc.                                     | 101820-0                  | Wilkes-Barre       | PA                        | PLM           |
| GCI Environmental Advisory, Inc.                                     | 101820-0                  | Wilkes-Barre       | PA                        | TEM           |
| GPU Nuclear Chemistry/Materials Labs.                                | 102064-0                  | Reading            | PA                        | PLM           |
| GPU Nuclear Corp. Nuclear Services<br>Division                       | 100510-0                  | Middletown         | PA                        | Dosimetry     |
| Henry Troemner, Inc.                                                 | 105013-0                  | Philadelphia       | PA                        | Calibration   |
| Instrument Specialties Co., Inc.                                     | 200076-0                  | Delaware Water Gap | PA                        | FCC           |
| Kevco Services, Inc.                                                 | 101941-0                  | Butler             | PA                        | PLM           |
| Levecque Technical Center                                            | 100101-0                  | Blue Bell          | PA                        | Thermal Insl. |
| MDS Laboratories                                                     | 101262-0                  | Reading            | PA                        | PLM           |
| MDS Laboratories                                                     | 101262-0                  | Reading            | PA                        | TEM           |
| Michael & Associates                                                 | 100427-0                  | State College      | PA                        | Acoustics     |
| Microbac Laboratories, Inc.                                          | 101035-0                  | Erie               | PA                        | PLM           |
| PA DEP Bureau of Laboratories                                        | 101323-0                  | Harrisburg         | PA                        | PLM           |
| Pennsylvania Power and Light Company                                 | 100554-0                  | Allentown          | PA                        | Dosimetry     |
| PSI                                                                  | 101350-0                  | Pittsburgh         | PA                        | PLM           |
| PSI                                                                  | 101350-0                  | Pittsburgh         | PA                        | TEM           |
| R & B Enterprises                                                    | 100280-0                  | West Conshohocken  | PA                        | FCC           |
| R & B Enterprises                                                    | 100280-0                  | West Conshohocken  | PA                        | MIL-STD-462   |
| RJ Lee Group, Inc.                                                   | 101208-0                  | Monroeville        | PA                        | PLM           |
| RJ Lee Group, Inc.                                                   | 101208-0                  | Monroeville        | PA                        | TEM           |
| SSM/Laboratories, Inc.                                               | 101112-0                  | Reading            | PA                        | PLM           |
| UNISYS-Systems Certification                                         | 100367-0                  | Paoli              | PA                        | GOSIP         |
| UNISYS-Systems Certification                                         | 100367-0                  | Paoli              | PA                        | POSIX         |
| Volz Environmental Services, Inc.                                    | 101269-0                  | Pittsburgh         | PA                        | PLM           |
| Westinghouse Electric Corporation Nuclear<br>Services Div. TLD Lab   | 100569-0                  | Madison            | PA                        | Dosimetry     |
| <b>RI</b>                                                            |                           |                    |                           |               |
| RI Analytical Laboratories, Inc.                                     | 101440-0                  | Warwick            | RI                        | PLM           |
| Vortex Inc./DBA V-Lab                                                | 102105-0                  | Warwick            | RI                        | PLM           |

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| LABORATORY NAME                                                | NVLAP<br>LAB CODE | CITY        | STATE/<br>COUNTRY | FIELD       |
|----------------------------------------------------------------|-------------------|-------------|-------------------|-------------|
| <b>SC</b>                                                      |                   |             |                   |             |
| Azimuth Laboratories                                           | 101050-0          | Charleston  | SC                | PLM         |
| Davis & Floyd, Inc.                                            | 101410-0          | Greenwood   | SC                | PLM         |
| South Carolina Department of Health &<br>Environmental Control | 101572-0          | Columbia    | SC                | PLM         |
| Westinghouse Electric Corporation                              | 100569-1          | Spartanburg | SC                | Dosimetry   |
| <b>TN</b>                                                      |                   |             |                   |             |
| GHP Laboratories                                               | 102098-0          | Nashville   | TN                | PLM         |
| Knoxville Branch Laboratory-TN Dept.<br>Health                 | 101496-0          | Knoxville   | TN                | PLM         |
| National Econ Corporation                                      | 200047-0          | Memphis     | TN                | PLM         |
| Oak Ridge Metrology Center, Dimensional<br>Metrology           | 105000-0          | Oak Ridge   | TN                | Calibration |
| PDR Environmental Laboratories                                 | 101479-0          | Nashville   | TN                | PLM         |
| Tennessee Valley Authority External<br>Dosimetry Service       | 100516-0          | Soddy-Daisy | TN                | Dosimetry   |
| Williams & Associates, Inc.                                    | 102027-0          | Memphis     | TN                | PLM         |
| <b>TX</b>                                                      |                   |             |                   |             |
| A & B Environmental Services, Inc.                             | 101793-0          | Houston     | TX                | PLM         |
| Acoustic Systems Acoustical Research<br>Facility               | 100286-0          | Austin      | TX                | Acoustics   |
| ATEC Associates, Inc.                                          | 101265-2          | Dallas      | TX                | PLM         |
| Atomic Energy Industrial Laboratory of the<br>Southwest        | 100556-0          | Houston     | TX                | Dosimetry   |
| CHEMTEx Environmental Laboratory, Inc.                         | 200025-0          | Port Arthur | TX                | PLM         |
| City of Austin-Holly Chemistry Lab.                            | 200014-0          | Austin      | TX                | PLM         |
| Compaq Computer Corp. Emissions Control<br>Lab                 | 200058-0          | Houston     | TX                | FCC         |
| Dolphin Environmental Consultants                              | 102086-0          | Stafford    | TX                | PLM         |
| EMC Test Lab                                                   | 200052-0          | Austin      | TX                | FCC         |
| EMSL Analytical, Inc.                                          | 102106-0          | Houston     | TX                | PLM         |
| EMSL Analytical, Inc.                                          | 102106-0          | Houston     | TX                | TEM         |
| EMSL Analytical, Inc.                                          | 200034-0          | Dallas      | TX                | PLM         |
| EMSL Analytical, Inc.                                          | 200034-0          | Dallas      | TX                | TEM         |
| Environmental Support Services, Inc.                           | 101987-0          | Richardson  | TX                | PLM         |
| Envirotest, Inc.                                               | 101595-0          | Houston     | TX                | PLM         |
| ERI Consulting Engineers, Inc.                                 | 101232-0          | Tyler       | TX                | PLM         |
| ERI Consulting Engineers, Inc.                                 | 101232-0          | Tyler       | TX                | TEM         |
| Fugro Environmental, Inc.                                      | 101148-0          | Houston     | TX                | PLM         |
| HIH Laboratory, Inc.                                           | 101233-0          | Webster     | TX                | PLM         |
| Industrial Hygiene & Safety Technology, Inc.                   | 101634-0          | Dallas      | TX                | PLM         |
| International Compliance Corporation                           | 100426-0          | Lewisville  | TX                | FCC         |
| Jimmie Ann Bolton                                              | 101735-0          | Austin      | TX                | PLM         |
| Law Engineering and Environmental<br>Services, Inc.            | 101973-0          | Dallas      | TX                | PLM         |
| Law Engineering, Inc.                                          | 101152-0          | Houston     | TX                | PLM         |
| Loflin Environmental Services                                  | 102044-0          | Houston     | TX                | PLM         |
| Maxim Technologies, Inc.                                       | 101091-0          | Dallas      | TX                | PLM         |
| Maxim Technologies, Inc.                                       | 101091-0          | Dallas      | TX                | TEM         |

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| <b>LABORATORY NAME</b>                                       | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>     | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b>  |
|--------------------------------------------------------------|---------------------------|-----------------|---------------------------|---------------|
| Maxim Technologies, Inc.                                     | 101091-1                  | Houston         | TX                        | PLM           |
| McKee Environmental Health, Inc.                             | 101135-0                  | Friendswood     | TX                        | PLM           |
| Micro Air of Texas, Inc.                                     | 102008-0                  | Houston         | TX                        | PLM           |
| North American Analytical Labs, Inc.                         | 101782-0                  | Abilene         | TX                        | PLM           |
| Omni Environmental, Inc.                                     | 102061-0                  | Austin          | TX                        | PLM           |
| Reservoirs Environmental Services, Inc.                      | 101896-1                  | Houston         | TX                        | PLM           |
| Reservoirs Environmental Services, Inc.                      | 101896-1                  | Houston         | TX                        | TEM           |
| RJ Lee Group, Inc.                                           | 101208-5                  | Houston         | TX                        | PLM           |
| RJ Lee Group, Inc.                                           | 101208-5                  | Houston         | TX                        | TEM           |
| South Texas Project Dosimetry Laboratory                     | 100519-0                  | Wadsworth       | TX                        | Dosimetry     |
| Steve Moody Micro Services, Inc.                             | 102056-0                  | Carrollton      | TX                        | PLM           |
| Sun City Analytical, Inc.                                    | 101870-0                  | El Paso         | TX                        | PLM           |
| Terra-Mar, Inc.                                              | 101940-0                  | Fort Worth      | TX                        | PLM           |
| TerraNext                                                    | 101162-0                  | Dallas          | TX                        | PLM           |
| TU Electric-Comanche Peak Steam Electric<br>Station          | 100528-0                  | Glen Rose       | TX                        | Dosimetry     |
| USAF Armstrong Laboratory/OEBD                               | 100548-0                  | Brooks AFB      | TX                        | Dosimetry     |
| Water, Earth Solutions & Technologies, Inc.                  | 102043-0                  | Dallas          | TX                        | PLM           |
| Wayne Langston, Inc.                                         | 200021-0                  | League City     | TX                        | FCC           |
| <b>UT</b>                                                    |                           |                 |                           |               |
| Communication Certification Laboratory                       | 100272-0                  | Salt Lake City  | UT                        | FCC           |
| Dixon Information Inc.                                       | 101012-0                  | South Salt Lake | UT                        | PLM           |
| <b>VA</b>                                                    |                           |                 |                           |               |
| American Medical Laboratories                                | 101136-0                  | Chantilly       | VA                        | PLM           |
| Applied Environmental, Inc.                                  | 101611-0                  | Reston          | VA                        | PLM           |
| Auditory Systems Laboratory - Virginia Tech                  | 100352-0                  | Blacksburg      | VA                        | Acoustics     |
| CDA, Inc., Open Systems Development<br>Group                 | 100364-0                  | McLean          | VA                        | GOSIP         |
| Cryptographic Equipment Assessment Lab.<br>(CEAL)            | 200002-0                  | McLean          | VA                        | Cryptographic |
| Environmental Hazards Services, Inc.                         | 101882-0                  | Richmond        | VA                        | PLM           |
| Froehling & Robertson, Inc.                                  | 102060-0                  | Richmond        | VA                        | PLM           |
| Hubbell Lighting Photometric Laboratory                      | 200020-0                  | Christiansburg  | VA                        | Lighting      |
| Industrial Laboratory                                        | 102115-0                  | Portsmouth      | VA                        | PLM           |
| Labcorp Analytics Laboratory                                 | 101004-0                  | Richmond        | VA                        | PLM           |
| Law Engineering and Environmental<br>Services, Inc.          | 101847-0                  | Chantilly       | VA                        | PLM           |
| Marine Chemist Service, Inc.                                 | 101425-0                  | Newport News    | VA                        | PLM           |
| Newport News Shipbuilding Radiological<br>Control Department | 100561-0                  | Newport News    | VA                        | Dosimetry     |
| North Anna Power Station                                     | 100520-0                  | Mineral         | VA                        | Dosimetry     |
| Pacific Environmental Services, Inc.                         | 101190-0                  | Herndon         | VA                        | PLM           |
| Proxtronics, Inc.                                            | 100573-0                  | Burke           | VA                        | Dosimetry     |
| Rhein Tech Laboratories, Inc.                                | 200061-0                  | Herndon         | VA                        | FCC           |
| RJ Lee Group, Inc.                                           | 101208-3                  | Manassas        | VA                        | PLM           |
| RJ Lee Group, Inc.                                           | 101208-3                  | Manassas        | VA                        | TEM           |
| Schneider Laboratories, Inc.                                 | 101150-0                  | Richmond        | VA                        | PLM           |
| Scientific Laboratories, Inc.                                | 101904-0                  | Richmond        | VA                        | PLM           |
| Scientific Laboratories, Inc.                                | 101904-0                  | Richmond        | VA                        | TEM           |
| SEAS, Inc.                                                   | 101185-0                  | Blacksburg      | VA                        | PLM           |

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| State of Virginia Metrology Lab                                  | 105007-0          | Richmond            | VA                | Calibration   |
| TC Analytics, Inc.                                               | 101672-0          | Norfolk             | VA                | PLM           |
| Versar, Inc.                                                     | 101122-0          | Springfield         | VA                | PLM           |
| <b>WA</b>                                                        |                   |                     |                   |               |
| APA - The Engineered Wood Association<br>Research Center         | 100423-0          | Tacoma              | WA                | Wood Prod.    |
| Clayton Environmental Consultants, Inc.                          | 101106-0          | Seattle             | WA                | PLM           |
| Eberline Analytical Corporation                                  | 200026-0          | Richland            | WA                | Dosimetry     |
| EMSL Analytical, Inc.                                            | 200019-0          | Seattle             | WA                | PLM           |
| EMSL Analytical, Inc.                                            | 200019-0          | Seattle             | WA                | TEM           |
| Fluke Corporation Primary Standards<br>Laboratory                | 105016-0          | Everett             | WA                | Calibration   |
| Lab/Cor, Inc.                                                    | 101920-0          | Seattle             | WA                | TEM           |
| Mountain Laboratories                                            | 101890-0          | Spokane             | WA                | PLM           |
| Naval Nuclear Propulsion Program<br>Directorate                  | 100565-0          | Bremerton           | WA                | Dosimetry     |
| Northwest Envirocon, Inc.                                        | 101869-0          | Vancouver           | WA                | PLM           |
| NVL Laboratories, Inc.                                           | 102063-0          | Seattle             | WA                | PLM           |
| Pacific Northwest National Laboratory                            | 105020-0          | Richland            | WA                | Calibration   |
| Precision Environmental Services, Inc.                           | 101631-0          | Tukwila             | WA                | PLM           |
| Prezant Associates, Inc.                                         | 101886-0          | Seattle             | WA                | PLM           |
| Puget Sound Naval Shipyard                                       | 101539-0          | Bremerton           | WA                | PLM           |
| Rust Federal Services of Hanford, Inc.                           | 101058-0          | Richland            | WA                | PLM           |
| Safe Environment of America                                      | 102021-0          | Kent                | WA                | PLM           |
| United States Dosimetry Technology, Inc.                         | 100571-0          | Richland            | WA                | Dosimetry     |
| <b>WI</b>                                                        |                   |                     |                   |               |
| AIResearch, Inc.                                                 | 101868-0          | Wauwatosa           | WI                | PLM           |
| Hufcor Laboratory                                                | 100239-0          | Janesville          | WI                | Acoustics     |
| Inchcape Testing Services NA, Inc.                               | 200031-0          | Middleton           | WI                | Thermal Insl. |
| Micro Analytical, Inc.                                           | 101247-0          | Milwaukee           | WI                | PLM           |
| PFS Corporation                                                  | 100421-0          | Madison             | WI                | Wood Prod.    |
| Rice Lake Weighing Systems                                       | 105001-0          | Rice Lake           | WI                | Calibration   |
| Twin Ports Testing, Inc.                                         | 102083-0          | Superior            | WI                | PLM           |
| Wausau Insurance Companies                                       | 101079-0          | Wausau              | WI                | PLM           |
| West Allis Memorial Hospital                                     | 101661-0          | West Allis          | WI                | PLM           |
| Wisconsin Occupational Health Laboratory                         | 101109-0          | Madison             | WI                | PLM           |
| <b>WV</b>                                                        |                   |                     |                   |               |
| Environmental Services, Inc.                                     | 101306-0          | St. Albans          | WV                | PLM           |
| Mountaineer Testing Laboratories, Inc.                           | 101784-0          | Lewisburg           | WV                | PLM           |
| Philips Lighting Corporate Calibration &<br>Standards Laboratory | 100399-0          | Fairmont            | WV                | Lighting      |
| Triad, Inc.                                                      | 102073-0          | Huntington          | WV                | PLM           |
| <b>CANADA</b>                                                    |                   |                     |                   |               |
| BNR Product Integrity Labs                                       | 100350-0          | Kanata Ontario      | CANADA            | FCC           |
| Canadian Standards Association                                   | 100322-0          | Etobicoke Ontario   | CANADA            | Commercial    |
| Certelec Laboratories, Inc.                                      | 100351-0          | Ottawa Ontario      | CANADA            | FCC           |
| Chatfield Technical Consulting Limited                           | 101103-0          | Mississauga Ontario | CANADA            | PLM           |
| DOMUS Software Limited ITSEC<br>Laboratory                       | 200017-0          | Ottawa Ontario      | CANADA            | Cryptographic |

**INDEX C. LISTING BY STATE/COUNTRY - continued**

| <b>LABORATORY NAME</b>                 | <b>NVLAP<br/>LAB CODE</b> | <b>CITY</b>                | <b>STATE/<br/>COUNTRY</b> | <b>FIELD</b> |
|----------------------------------------|---------------------------|----------------------------|---------------------------|--------------|
| LEX Scientific Inc.                    | 101949-0                  | Guelph Ontario             | CANADA                    | PLM          |
| Northern Telecom BVW Lab               | 200098-0                  | Belleville, Ontario        | CANADA                    | FCC          |
| PHH Environmental Limited              | 101675-0                  | Richmond, British Columbia | CANADA                    | PLM          |
| Pinchin Environmental Consultants Ltd. | 101270-0                  | Mississauga Ontario        | CANADA                    | PLM          |
| Pinchin LeBlanc Environmental Ltd.     | 101270-1                  | Dartmouth N.S.             | CANADA                    | PLM          |
| Technology Products Assurance          | 200055-0                  | North York, Ontario        | CANADA                    | FCC          |
| UltraTech Engineering Labs Inc.        | 200093-0                  | Mississauga, Ontario       | CANADA                    | FCC          |
| Vibro-Acoustics Laboratory             | 100424-0                  | Scarborough Ontario        | CANADA                    | Acoustics    |

**JAPAN**

|                                          |          |                 |       |     |
|------------------------------------------|----------|-----------------|-------|-----|
| Akzo Kashima Ltd. Kakegawa EMC Test Site | 100290-2 | Shizuoka        | JAPAN | FCC |
| Akzo Kashima Ltd., Kashima EMC Site      | 100290-0 | Ibaraki         | JAPAN | FCC |
| Akzo Kashima Ltd., Matsuda EMC Test Site | 100290-4 | Kanagawa        | JAPAN | FCC |
| Akzo Kashima Ltd., Nagano EMC Test Site  | 100290-3 | Nagano          | JAPAN | FCC |
| Akzo Kashima Ltd., Tochigi EMC Test Site | 100290-5 | Tochigi         | JAPAN | FCC |
| Akzo Kashima Ltd., Yokohama Test Center  | 100290-1 | Yokohama        | JAPAN | FCC |
| IPS Corporation                          | 200012-0 | Nagano          | JAPAN | FCC |
| Matsushita EMC Center                    | 100428-0 | Taki-gun, Hyogo | JAPAN | FCC |

**KOREA**

|                                                      |          |       |       |     |
|------------------------------------------------------|----------|-------|-------|-----|
| LG Electronics, Inc., Quality and Reliability Center | 200040-0 | Seoul | KOREA | FCC |
|------------------------------------------------------|----------|-------|-------|-----|

**TAIWAN**

|                                              |          |                  |        |           |
|----------------------------------------------|----------|------------------|--------|-----------|
| Global EMC Standard Tech. Corp.              | 200085-0 | Taipei County    | TAIWAN | FCC       |
| Radiation Laboratory, Taiwan Power Company   | 100562-0 | Shihmen Taipei   | TAIWAN | Dosimetry |
| Spectrum Research & Testing Laboratory, Inc. | 200099-0 | Chun-Li, Taoyuan | TAIWAN | FCC       |

**UNITED KINGDOM**

|                                |          |            |                   |       |
|--------------------------------|----------|------------|-------------------|-------|
| National Computing Centre Ltd. | 100357-0 | Manchester | UNITED<br>KINGDOM | GOSIP |
|--------------------------------|----------|------------|-------------------|-------|



**INDEX**

**D**

**LISTING OF  
TESTING  
LABORATORIES  
BY NVLAP  
LAB CODE**



# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE

## NVLAP LAB CODE 100101-0

### Leveque Technical Center

1400 Union Meeting Road  
P.O. Box 1100  
Blue Bell, PA 19422-0761  
Contact: Mr. Pete Herault  
Phone: 610-341-6376  
Fax: 610-341-6291

### Thermal Insulation Materials

Accreditation Valid Through: December 31, 1997

#### NVLAP

Code Designation

#### Canadian Standards (Specifications)

|         |                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------|
| 01/W01  | CAN/CGSB-51.2-M88 (exclude ASTM C458)                                                                                       |
| 01/W02  | CAN/CGSB-51.9-92 (exclude Para. 5.2.2, 5.2.5, 7.3)                                                                          |
| 01/W03  | CAN/CGSB-51.10-92 (exclude Para. 5.2.5)                                                                                     |
| 01/W04  | CAN/CGSB-51.11-92 (exclude Para. 5.2.5)                                                                                     |
| 01/WNOT | Scope excludes CGSB 51-GP-52M; however, ASTM E96 & D828 are included where specified in the Canadian Standards (01/W02-W04) |

#### Corrosiveness

|        |                    |
|--------|--------------------|
| 01/C02 | 16 CFR-Part 1209.5 |
|--------|--------------------|

#### Flammability

|        |                    |
|--------|--------------------|
| 01/F01 | TAPPI T461-OM      |
| 01/F05 | ASTM E136          |
| 01/F07 | 16 CFR-Part 1209.6 |
| 01/F08 | 16 CFR-Part 1209.7 |

#### Mass, Density, and Dimensional Stability

|        |                     |
|--------|---------------------|
| 01/D01 | ASTM C136           |
| 01/D02 | ASTM C167           |
| 01/D08 | ASTM C302           |
| 01/D09 | ASTM C303           |
| 01/D11 | ASTM C356           |
| 01/D12 | ASTM C411           |
| 01/D13 | ASTM C519           |
| 01/D24 | ASTM C739 (Sec. 12) |
| 01/D26 | 16 CFR-Part 1209.4  |
| 01/D27 | ASTM C739 (Sec. 8)  |
| 01/D30 | ASTM C585           |

#### Related Material Properties

|        |                   |
|--------|-------------------|
| 01/V04 | ASTM E96          |
| 01/V07 | ASTM C1104/C1104M |

#### Strength

|         |                          |
|---------|--------------------------|
| 01/S01b | ASTM C165 (Proc. B only) |
| 01/S08  | ASTM C446                |
| 01/S10  | ASTM D828                |
| 01/S15  | ASTM C421                |
| 01/S16  | ASTM C1101/C1101M        |

#### Thermal Resistance

|        |           |
|--------|-----------|
| 01/T01 | ASTM C177 |
| 01/T04 | ASTM C236 |
| 01/T05 | ASTM C335 |
| 01/T06 | ASTM C518 |
| 01/T09 | ASTM C653 |
| 01/T10 | ASTM C687 |

## NVLAP LAB CODE 100103-0

### Dow Chemical N. America Foam Products Research, Prod. Perf. Lab.

3825 Columbus Road, S.W.  
P.O. Box 515  
Granville, OH 43023-0515  
Contact: Ms. Linda Hess  
Phone: 614-587-5411  
Fax: 614-587-4224

### Thermal Insulation Materials

Accreditation Valid Through: December 31, 1997

#### NVLAP

Code Designation

#### Mass, Density, and Dimensional Stability

|        |            |
|--------|------------|
| 01/D07 | ASTM C272  |
| 01/D18 | ASTM D1622 |
| 01/D19 | ASTM D2126 |
| 01/D23 | ASTM D2842 |

#### Related Material Properties

|        |          |
|--------|----------|
| 01/V04 | ASTM E96 |
|--------|----------|

#### Strength

|        |                      |
|--------|----------------------|
| 01/S02 | ASTM C203            |
| 01/S07 | ASTM C273            |
| 01/S11 | ASTM D1621 (Proc. A) |

#### Thermal Resistance

|        |           |
|--------|-----------|
| 01/T06 | ASTM C518 |
|--------|-----------|

## NVLAP LAB CODE 100104-0

### NAHB Research Center, Inc.

400 Prince George's Boulevard  
Upper Marlboro, MD 20774-8731  
Contact: Mr. Thomas M. Kenney, P.E.  
Phone: 301-249-4000  
Fax: 301-249-0305  
E-Mail: 75220, 2615@compuserve.com

### Thermal Insulation Materials

Accreditation Valid Through: December 31, 1997

#### NVLAP

Code Designation

#### Mass, Density, and Dimensional Stability

|        |                    |
|--------|--------------------|
| 01/D02 | ASTM C167          |
| 01/D13 | ASTM C519          |
| 01/D27 | ASTM C739 (Sec. 8) |

#### Thermal Resistance

|        |           |
|--------|-----------|
| 01/T06 | ASTM C518 |
| 01/T09 | ASTM C653 |
| 01/T10 | ASTM C687 |

NVLAP LAB CODE 100108-0

**TSI, Testing Services, Inc.**

1105 Riverbend Drive  
P.O. Box 2041  
Dalton, GA 30720  
Contact: Mr. Erle W. Miles, Jr.  
Phone: 706-226-1400  
Fax: 706-226-6118

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Tests Applicable to Carpet Cushion**

03/U01b ASTM D3676 (Secs. 10-12)  
03/U02 ASTM D297  
03/U08 ASTM D3574 (Test D)  
03/U10 ASTM D3676 (Sec.13)  
03/U12 ASTM D3676 (Sec.15)  
03/U13 ASTM D3676 (Sec.16)

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)  
03/T02 ASTM D2646 (Secs. 16-24)  
03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G03 AATCC 134  
03/G04 AATCC 165  
03/G05 ASTM D418 (Sec. 8)  
03/G06 ASTM D418 (Sec. 9)  
03/G07 ASTM D418 (Secs. 10-11)  
03/G08 ASTM D418 (Sec. 13)  
03/G09 ASTM D1335  
03/G10 ASTM D3936  
03/G12 ASTM E648  
03/G13 ASTM E662  
03/G14 Fed Spec, DDD-C-0095A

NVLAP LAB CODE 100109-0

**Owens Corning - Granville**

2790 Columbus Road, Route 16  
Granville, OH 43023-1200  
Contact: Mr. John M. Stair  
Phone: 614-321-7053  
Fax: 614-321-5161

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Corrosiveness**

01/C01 ASTM C739 (Sec. 9)

**Flammability**

01/F02 ASTM E84  
01/F05 ASTM E136  
01/F07 16 CFR-Part 1209.6  
01/F08 16 CFR-Part 1209.7

**Mass, Density, and Dimensional Stability**

01/D02 ASTM C167  
01/D08 ASTM C302

01/D09 ASTM C303  
01/D11 ASTM C356  
01/D12 ASTM C411  
01/D24 ASTM C739 (Sec. 12)  
01/D27 ASTM C739 (Sec. 8)

**Related Material Properties**

01/V04 ASTM E96

**Strength**

01/S01a ASTM C165 (Proc. A only)  
01/S02 ASTM C203  
01/S08 ASTM C446

**Thermal Resistance**

01/T01 ASTM C177  
01/T05 ASTM C335  
01/T06 ASTM C518  
01/T09 ASTM C653  
01/T10 ASTM C687  
01/T11 ASTM C976

NVLAP LAB CODE 100113-0

**Holometrix, Inc.**

25 Wiggins Avenue  
Bedford, MA 01730-2323  
Contact: Mr. Timothy Kunz  
Phone: 617-275-3300 x245  
Fax: 617-275-3705

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Thermal Resistance**

01/T01 ASTM C177  
01/T05 ASTM C335  
01/T06 ASTM C518  
01/T11 ASTM C976

NVLAP LAB CODE 100120-0

**Commercial Testing Company**

1215 South Hamilton Street  
P.O. Box 985  
Dalton, GA 30720  
Contact: Mr. Jonathan Jackson  
Phone: 706-278-3935  
Fax: 706-278-3936

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Tests Applicable to Carpet Cushion**

03/U01c ASTM D3574 (Sec. 8.2; Test A)/D3676 (Sec. 10-12)  
03/U02 ASTM D297  
03/U06 ASTM D1667 (Suffix B)  
03/U07 ASTM D3574 (Test C)  
03/U08 ASTM D3574 (Test D)  
03/U09 ASTM D3574 (Test E)  
03/U10 ASTM D3676 (Sec.13)  
03/U11 ASTM D3676 (Sec.14)

03/U12 ASTM D3676 (Sec.15)  
 03/U13 ASTM D3676 (Sec.16)  
**Tests Applicable to Carpet and Carpet Cushion**  
 03/T01 AATCC 16 (Option E)  
 03/T02 ASTM D2646 (Secs. 16-24)  
 03/T03 ASTM E84  
 03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G03 AATCC 134  
 03/G04 AATCC 165  
 03/G06 ASTM D418 (Sec. 9)  
 03/G07 ASTM D418 (Secs. 10-11)  
 03/G08 ASTM D418 (Sec. 13)  
 03/G09 ASTM D1335  
 03/G10 ASTM D3936  
 03/G12 ASTM E648  
 03/G13 ASTM E662

**NVLAP LAB CODE 100131-0**

**H.C. Nutting Company**

4120 Airport Road  
 P.O. Box "C"  
 Cincinnati, OH 45226-1675  
 Contact: Mr. Jerry L. Lindsey  
 Phone: 513-321-5816  
 Fax: 513-321-0294

**Construction Materials Testing**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Aggregates**

02/A03 ASTM C29  
 02/A04 ASTM C40  
 02/A06 ASTM C88  
 02/A07 ASTM C117  
 02/A08 ASTM C123  
 02/A09 ASTM C127  
 02/A10 ASTM C128  
 02/A11 ASTM C131  
 02/A12 ASTM C136  
 02/A13 ASTM C142  
 02/A15 ASTM D75  
 02/A16 ASTM D2419  
 02/A44 ASTM C566  
 02/A46 ASTM C535

**Concrete**

02/A01 ASTM C39  
 02/A02 ASTM C617  
 02/A40 ASTM C78  
 02/A41 ASTM C192  
 02/A43 ASTM C1064  
 02/A45 ASTM C42  
 02/A47 ASTM C457  
 02/A48 ASTM C856  
 02/G01 ASTM C31/C172/C143/C138/C231  
 02/G02 ASTM C173

**Standard Practices**

02/A38 ASTM E329  
 02/A39 ASTM C1077

**NVLAP LAB CODE 100139-0**

**American Carpet Laboratories, Inc.**

7517 Nashville Street  
 P.O. Box 357  
 Ringgold, GA 30736  
 Contact: Mr. Michael D. Connell  
 Phone: 706-935-5672  
 Fax: 706-891-5713

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

**NVLAP**

*Code Designation*

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)  
 03/T02 ASTM D2646 (Secs. 16-24)  
 03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G04 AATCC 165  
 03/G06 ASTM D418 (Sec. 9)  
 03/G07 ASTM D418 (Secs. 10-11)  
 03/G08 ASTM D418 (Sec. 13)  
 03/G09 ASTM D1335  
 03/G10 ASTM D3936  
 03/G12 ASTM E648  
 03/G13 ASTM E662

**NVLAP LAB CODE 100142-0**

**Geoscience Ltd.**

6260-B Marindustry Drive  
 San Diego, CA 92121  
 Contact: Dr. H. F. Poppendiek  
 Phone: 619-453-5483  
 Fax: 619-453-4694

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

**NVLAP**

*Code Designation*

**Flammability**

01/F05 ASTM E136

**Thermal Resistance**

01/T01 ASTM C177  
 01/T04 ASTM C236

**NVLAP LAB CODE 100146-0**

**American Testing Laboratories, Inc.**

784 Flory Mill Road  
 P.O. Box 4014  
 Lancaster, PA 17604-4014  
 Contact: Mr. John S. Kassees  
 Phone: 717-569-0488  
 Fax: 717-569-3429

**Construction Materials Testing**

Accreditation Valid Through: March 31, 1997

**NVLAP**

*Code Designation*

**Aggregates**

|        |           |
|--------|-----------|
| 02/A03 | ASTM C29  |
| 02/A04 | ASTM C40  |
| 02/A06 | ASTM C88  |
| 02/A07 | ASTM C117 |
| 02/A08 | ASTM C123 |
| 02/A09 | ASTM C127 |
| 02/A10 | ASTM C128 |
| 02/A11 | ASTM C131 |
| 02/A12 | ASTM C136 |
| 02/A13 | ASTM C142 |
| 02/A46 | ASTM C535 |

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/A41 | ASTM C192                    |
| 02/A43 | ASTM C1064                   |
| 02/A45 | ASTM C42                     |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L02 | ASTM D422  |
| 02/L04 | ASTM D698  |
| 02/L05 | ASTM D854  |
| 02/L06 | ASTM D1140 |
| 02/L11 | ASTM D2166 |
| 02/L17 | ASTM D2488 |
| 02/L20 | ASTM D4318 |
| 02/L23 | ASTM D2922 |
| 02/L25 | ASTM D3017 |

**NVLAP LAB CODE 100156-0**

**Mohawk Industries, Inc.- Lyerly Plant**

Route 1, Box 32, Highway 114  
Lyerly, GA 30730  
Contact: Mr. Ronnie B. Bishop  
Phone: 706-895-3341 x6318  
Fax: 706-895-3341 x6277

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

**NVLAP**

*Code      Designation*

**Tests Applicable to Carpet and Carpet Cushion**

|        |                            |
|--------|----------------------------|
| 03/T01 | AATCC 16 (Option E)        |
| 03/T02 | ASTM D2646 (Secs. 16-24)   |
| 03/T04 | 16 CFR Part 1630 (FF-1-70) |

**Tests Applicable to Carpets**

|        |                         |
|--------|-------------------------|
| 03/G04 | AATCC 165               |
| 03/G05 | ASTM D418 (Sec. 8)      |
| 03/G06 | ASTM D418 (Sec. 9)      |
| 03/G07 | ASTM D418 (Secs. 10-11) |
| 03/G08 | ASTM D418 (Sec. 13)     |
| 03/G09 | ASTM D1335              |
| 03/G10 | ASTM D3936              |

**NVLAP LAB CODE 100166-0**

**Independent Textile Testing Service, Inc.**

1503 Murray Avenue, P.O. Box 1948  
Dalton, GA 30722-1948  
Contact: Mr. L. Kent Suddeth  
Phone: 706-278-3013  
Fax: 706-272-7057  
E-Mail: ittslab@dalton.net

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

**NVLAP**

*Code      Designation*

**Tests Applicable to Carpet Cushion**

|         |                                                  |
|---------|--------------------------------------------------|
| 03/U01c | ASTM D3574 (Sec. 8.2; Test A)/D3676 (Sec. 10-12) |
| 03/U02  | ASTM D297                                        |
| 03/U03  | ASTM D629 (Sec. 10)                              |
| 03/U04  | ASTM D629 (Secs. 13-22)                          |
| 03/U05  | ASTM D629 (Secs. 23-27)                          |
| 03/U06  | ASTM D1667 (Suffix B)                            |
| 03/U07  | ASTM D3574 (Test C)                              |
| 03/U08  | ASTM D3574 (Test D)                              |
| 03/U09  | ASTM D3574 (Test E)                              |
| 03/U10  | ASTM D3676 (Sec. 13)                             |
| 03/U11  | ASTM D3676 (Sec. 14)                             |
| 03/U12  | ASTM D3676 (Sec. 15)                             |
| 03/U13  | ASTM D3676 (Sec. 16)                             |

**Tests Applicable to Carpet and Carpet Cushion**

|        |                            |
|--------|----------------------------|
| 03/T01 | AATCC 16 (Option E)        |
| 03/T02 | ASTM D2646 (Secs. 16-24)   |
| 03/T04 | 16 CFR Part 1630 (FF-1-70) |

**Tests Applicable to Carpets**

|        |                         |
|--------|-------------------------|
| 03/G01 | AATCC 20                |
| 03/G02 | AATCC 20A               |
| 03/G03 | AATCC 134               |
| 03/G04 | AATCC 165               |
| 03/G05 | ASTM D418 (Sec. 8)      |
| 03/G06 | ASTM D418 (Sec. 9)      |
| 03/G07 | ASTM D418 (Secs. 10-11) |
| 03/G08 | ASTM D418 (Sec. 13)     |
| 03/G09 | ASTM D1335              |
| 03/G10 | ASTM D3936              |
| 03/G11 | ASTM D5252              |
| 03/G12 | ASTM E648               |
| 03/G13 | ASTM E662               |
| 03/G14 | Fed Spec, DDD-C-0095A   |

**NVLAP LAB CODE 100178-0**

**Mohawk Industries, Inc., Karastan Rug Mill Testing**

712 Henry Street  
P.O. Box 130  
Eden, NC 27289-0130  
Contact: Mr. Charles B. Harrington  
Phone: 910-623-6000 x3514  
Fax: 910-623-1146

**Carpet and Carpet Cushion**

Accreditation Valid Through: March 31, 1997

**NVLAP**

Code Designation

**Tests Applicable to Carpet Cushion**

03/U01b ASTM D3676 (Secs. 10-12)

03/U10 ASTM D3676 (Sec. 13)

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)

03/T02 ASTM D2646 (Secs. 16-24)

03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G03 AATCC 134

03/G04 AATCC 165

03/G05 ASTM D418 (Sec. 8)

03/G06 ASTM D418 (Sec. 9)

03/G07 ASTM D418 (Secs. 10-11)

03/G08 ASTM D418 (Sec. 13)

03/G09 ASTM D1335

03/G10 ASTM D3936

03/G12 ASTM E648

03/G13 ASTM E662

03/G14 Fed Spec, DDD-C-0095A

**NVLAP LAB CODE 100190-0**
**Coronet Industries, Inc.**

1502 Coronet Drive

P.O. Box 1248

Dalton, GA 30722-1248

Contact: Mr. E. Ronald Vinyard

Phone: 706-259-4511 x1272

Fax: 706-259-4511 x1510

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

**NVLAP**

Code Designation

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)

03/T02 ASTM D2646 (Secs. 16-24)

03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G04 AATCC 165

03/G05 ASTM D418 (Sec. 8)

03/G06 ASTM D418 (Sec. 9)

03/G07 ASTM D418 (Secs. 10-11)

03/G08 ASTM D418 (Sec. 13)

03/G09 ASTM D1335

03/G10 ASTM D3936

**NVLAP LAB CODE 100191-0**
**STS Consultants, Ltd.**

1869 Techny Road

Northbrook, IL 60062

Contact: Mr. William P. Quinn

Phone: 847-267-8010

Fax: 847-272-8320

**Construction Materials Testing**

Accreditation Valid Through: December 31, 1997

**NVLAP**

Code Designation

**Aggregates**

02/A03 ASTM C29

02/A04 ASTM C40

02/A07 ASTM C117

02/A09 ASTM C127

02/A10 ASTM C128

02/A11 ASTM C131

02/A12 ASTM C136

02/A46 ASTM C535

**Concrete**

02/A01 ASTM C39

02/A02 ASTM C617

02/A40 ASTM C78

02/A45 ASTM C42

02/G01 ASTM C31/C172/C143/C138/C231

02/G02 ASTM C173

**Road and Paving Materials**

02/M12 ASTM D1559

02/M19 ASTM D2172

02/M24 ASTM D2041

**Soil and Rock**

02/L02 ASTM D422

02/L04 ASTM D698

02/L05 ASTM D854

02/L08 ASTM D1557

02/L10 ASTM D1883

02/L11 ASTM D2166

02/L13 ASTM D2216

02/L15 ASTM D2435

02/L17 ASTM D2488

02/L18 ASTM D3080

02/L20 ASTM D4318

02/L21 ASTM D2434

02/L22 ASTM D2850

02/L23 ASTM D2922

02/L29 Corps of Engineers - Manual

EM-1110-2-1906, Appendix VII, Permeability  
of Fine Grained Soils Using a Triaxial

Apparatus

02/L30 Corps of Engineers - Manual

EM-1110-2-1906, Appendix X, Consolidated  
Undrained and Consolidated Drained Triaxial  
Test

02/L46 ASTM D5084

**Standard Practices**

02/A38 ASTM E329

02/A39 ASTM C1077

02/L32 ASTM D3740

**NVLAP LAB CODE 100193-0**

**Shaw Industries, Inc., Technical Services**

South Glenwood Avenue  
P.O. Box 2128  
Dalton, GA 30722-2128  
Contact: Mr. Jerry T. Wright, Jr.  
Phone: 706-275-2205  
Fax: 706-275-2221

**Carpet and Carpet Cushion**

Accreditation Valid Through: June 30, 1997

*NVLAP*

*Code Designation*

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)  
03/T02 ASTM D2646 (Secs. 16-24)  
03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G04 AATCC 165  
03/G06 ASTM D418 (Sec. 9)  
03/G07 ASTM D418 (Secs. 10-11)  
03/G08 ASTM D418 (Sec. 13)  
03/G09 ASTM D1335  
03/G10 ASTM D3936  
03/G12 ASTM E648  
03/G13 ASTM E662

**NVLAP LAB CODE 100197-0**

**World Carpets, Inc.**

One World Plaza  
P.O. Box 1448  
Dalton, GA 30720-1448  
Contact: Mr. Wayne Murdock  
Phone: 706-278-8000  
Fax: 706-278-4982

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)  
03/T02 ASTM D2646 (Secs. 16-24)  
03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G04 AATCC 165  
03/G06 ASTM D418 (Sec. 9)  
03/G07 ASTM D418 (Secs. 10-11)  
03/G08 ASTM D418 (Sec. 13)  
03/G09 ASTM D1335  
03/G10 ASTM D3936

**NVLAP LAB CODE 100210-0**

**Insta-Foam Products, Inc.**

1500 Cedarwood Drive  
Joliet, IL 60435-3187  
Contact: Mr. Robert Braun  
Phone: 815-741-6800 x560  
Fax: 815-741-6822

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Mass, Density, and Dimensional Stability**

01/D15 ASTM D756 (Proc. A)  
01/D16 ASTM D756 (Proc. B)  
01/D17 ASTM D756 (Proc. E)  
01/D18 ASTM D1622  
01/D19 ASTM D2126  
01/D23 ASTM D2842

**Related Material Properties**

01/V04 ASTM E96

**Strength**

01/S02 ASTM C203  
01/S07 ASTM C273  
01/S11 ASTM D1621 (Proc. A)

**Thermal Resistance**

01/T06 ASTM C518

**NVLAP LAB CODE 100227-0**

**Riverbank Acoustical Laboratories**

1512 S. Batavia Avenue  
P.O. Box 189  
Geneva, IL 60134-3302  
Contact: Mr. John W. Kopec  
Phone: 708-232-0104  
Fax: 708-232-0138

**Acoustical Testing Services**

Accreditation Valid Through: March 31, 1997

*NVLAP*

*Code Designation*

08/P03 ASTM C423  
08/P05 ASTM C523  
08/P06 ASTM E90  
08/P07 ASTM E492  
08/P10 ANSI S12.31 (ISO 3741)  
08/P30 ASTM E1408

NVLAP LAB CODE 100228-0

**Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center**

P.O. Box 3511  
2500 Columbia Avenue  
Lancaster, PA 17604  
Contact: Mr. Robert Alan Hallman  
Phone: 717-396-6225  
Fax: 717-396-5865  
E-Mail: RAHallman@Armstrong.com

**Acoustical Testing Services**

Accreditation Valid Through: December 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i>       |
|-------------|--------------------------|
| 08/P03      | ASTM C423                |
| 08/P07      | ASTM E492                |
| 08/P28      | ASTM E1375               |
| 08/P29      | ASTM E1376               |
| 08/P33      | ASTM E1111               |
| 08/P34      | ASTM E1414 (AMA-1-II-67) |

NVLAP LAB CODE 100239-0

**Hufcor Laboratory**

1017 South Jackson Street  
P.O. Box 591  
Janesville, WI 53547-0591  
Contact: Mr. Stan Kowalczyk  
Phone: 608-756-1241 x242  
Fax: 608-756-1246

**Acoustical Testing Services**

Accreditation Valid Through: September 30, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
| 08/P06      | ASTM E90           |
| 08/P31      | ASTM E336          |

NVLAP LAB CODE 100247-0

**Hollytex Carpet Mills, Inc.**

505 N.E. 7th  
P.O. Box 369  
Anadarko, OK 73005-2299  
Contact: Mr. Joe Mayfield  
Phone: 405-247-7453  
Fax: 405-247-9303

**Carpet and Carpet Cushion**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| <i>Code</i>                                          | <i>Designation</i>         |
|------------------------------------------------------|----------------------------|
| <b>Tests Applicable to Carpet and Carpet Cushion</b> |                            |
| 03/T01                                               | AATCC 16 (Option E)        |
| 03/T04                                               | 16 CFR Part 1630 (FF-1-70) |
| <b>Tests Applicable to Carpets</b>                   |                            |
| 03/G04                                               | AATCC 165                  |
| 03/G09                                               | ASTM D1335                 |
| 03/G10                                               | ASTM D3936                 |

NVLAP LAB CODE 100248-0

**Knauf Fiber Glass Research Laboratory**

240 Elizabeth Street  
Shelbyville, IN 46176-1496  
Contact: Mr. Timothy R. Jonas  
Phone: 317-398-4434  
Fax: 317-398-3675

**Thermal Insulation Materials**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| <i>Code</i>                                     | <i>Designation</i> |
|-------------------------------------------------|--------------------|
| <b>Mass, Density, and Dimensional Stability</b> |                    |
| 01/D02                                          | ASTM C167          |
| 01/D08                                          | ASTM C302          |
| 01/D09                                          | ASTM C303          |
| 01/D11                                          | ASTM C356          |
| 01/D12                                          | ASTM C411          |
| 01/D13                                          | ASTM C519          |

**Strength**

|         |                          |
|---------|--------------------------|
| 01/S01a | ASTM C165 (Proc. A only) |
|---------|--------------------------|

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T01 | ASTM C177 |
| 01/T05 | ASTM C335 |
| 01/T06 | ASTM C518 |
| 01/T09 | ASTM C653 |
| 01/T10 | ASTM C687 |

NVLAP LAB CODE 100251-0

**St. of California, Bur. of Home Furnishings &**

**Thermal Insulation**

3485 Orange Grove Avenue  
North Highlands, CA 95660-5595  
Contact: Dr. Stephen J. Fischer  
Phone: 916-574-2060  
Fax: 921-574-2449

**Thermal Insulation Materials**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| <i>Code</i>          | <i>Designation</i>  |
|----------------------|---------------------|
| <b>Corrosiveness</b> |                     |
| 01/C01               | ASTM C739 (Sec. 9)  |
| 01/C02               | 16 CFR-Part 1209.5  |
| <b>Flammability</b>  |                     |
| 01/F07               | 16 CFR-Part 1209.6  |
| 01/F08               | 16 CFR-Part 1209.7  |
| 01/F09               | ASTM C739 (Sec. 10) |
| 01/F10               | ASTM C739 (Sec. 14) |

**Mass, Density, and Dimensional Stability**

|        |                    |
|--------|--------------------|
| 01/D02 | ASTM C167          |
| 01/D08 | ASTM C302          |
| 01/D09 | ASTM C303          |
| 01/D26 | 16 CFR-Part 1209.4 |
| 01/D27 | ASTM C739 (Sec. 8) |

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T01 | ASTM C177 |
| 01/T05 | ASTM C335 |
| 01/T06 | ASTM C518 |

# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued

## NVLAP LAB CODE 100252-0

### D/L Laboratories

116 East 16th Street  
New York, NY 10003-2174  
Contact: Mr. Saul Spindel  
Phone: 212-777-4445  
Fax: 212-505-8419

### Commercial Products Testing

Accreditation Valid Through: December 31, 1997

#### NVLAP

Code Designation

#### Building Seals and Sealants

|         |                           |
|---------|---------------------------|
| 13/O01  | ASTM C510                 |
| 13/O02a | ASTM C603                 |
| 13/O02b | CAN2-19.0-M77, Meth. 3.1  |
| 13/O03  | ASTM C639                 |
| 13/O04a | ASTM C661                 |
| 13/O04b | CAN2-19.0-M77, Meth. 8.1  |
| 13/O05a | ASTM C679                 |
| 13/O05b | CAN2-19.0-M77, Meth. 2.1  |
| 13/O11a | ASTM C719                 |
| 13/O11b | CAN2-19.0-M77, Meth. 14.4 |
| 13/O12  | ASTM C731                 |
| 13/O13  | ASTM C732                 |
| 13/O14  | ASTM C733                 |
| 13/O15  | ASTM C734                 |
| 13/O16  | ASTM C736                 |
| 13/O19a | ASTM C792                 |
| 13/O19b | CAN2-19.0-M77, Meth. 5.1  |
| 13/O20  | ASTM C793                 |
| 13/O21  | ASTM C794                 |
| 13/O23  | ASTM D2202                |
| 13/O31  | CAN2-19.0-M77, Meth. 7.1  |
| 13/O32  | CAN2-19.0-M77, Meth. 7.3  |
| 13/O33  | CAN2-19.0-M77, Meth. 8.2  |
| 13/O34  | CAN2-19.0-M77, Meth. 11.1 |
| 13/O35  | CAN2-19.0-M77, Meth. 14.7 |
| 13/O36  | CAN2-19.0-M77, Meth. 19.2 |

#### Paints and Related Coatings and Materials

|         |                                  |
|---------|----------------------------------|
| 09/A01  | ASTM D56                         |
| 09/A02  | ASTM D93                         |
| 09/A04  | ASTM D185                        |
| 09/A07  | ASTM D523                        |
| 09/A08  | ASTM D562                        |
| 09/A12  | ASTM D1210                       |
| 09/A15  | ASTM D1310                       |
| 09/A17  | ASTM D1475                       |
| 09/A21  | ASTM D3278                       |
| 09/A22  | ASTM D3363                       |
| 09/A30  | CGSB Method 1-GP-71, Meth. 10.1  |
| 09/A31  | CGSB Method 1-GP-71, Meth. 12.8  |
| 09/A32  | CGSB Method 1-GP-71, Meth. 45.1  |
| 09/B09  | ASTM D711                        |
| 09/B13a | ASTM D968                        |
| 09/B13b | CGSB Method 1-GP-71 Meth. 104.1  |
| 09/B19  | ASTM D1308                       |
| 09/B19b | CGSB Method 1-GP-71, Meth. 105.1 |
| 09/B19c | CGSB Method 1-GP-71, Meth. 106.1 |
| 09/B19d | CGSB Method 1-GP-71, Meth. 107.1 |

|         |                                  |
|---------|----------------------------------|
| 09/B19e | CGSB Method 1-GP-71, Meth. 110.1 |
| 09/B23  | ASTM D1640                       |
| 09/B24  | ASTM D522                        |
| 09/B25  | ASTM D2197                       |
| 09/B29  | ASTM D2486                       |
| 09/B31  | ASTM D2805                       |
| 09/B32  | ASTM D3273                       |
| 09/B34  | ASTM D3450                       |
| 09/B37  | ASTM D4060                       |
| 09/B38  | ASTM D4062                       |
| 09/B43  | ASTM D3359                       |
| 09/B45  | CGSB Method 1-GP-71, Meth. 14.1  |
| 09/B46a | ASTM D1849                       |
| 09/B46b | CGSB Method 1-GP-71, Meth. 30.3  |
| 09/B47  | CGSB Method 1-GP-71, Meth. 32.1  |
| 09/B48  | CGSB Method 1-GP-71, Meth. 37.3  |
| 09/B49  | CGSB Method 1-GP-71, Meth. 112.2 |
| 09/B50  | CGSB Method 1-GP-71, Meth. 114.1 |
| 09/B52  | CGSB Method 1-GP-71, Meth. 123.2 |
| 09/B53  | CGSB Method 1-GP-71, Meth. 125.1 |
| 09/B54  | CGSB Method 1-GP-71, Meth. 127.1 |
| 09/B55  | CGSB Method 1-GP-71, Meth. 130.1 |
| 09/B56  | CGSB Method 1-GP-71, Meth. 131.2 |
| 09/B57  | CGSB Method 1-GP-71, Meth. 132.1 |
| 09/B58  | CGSB Method 1-GP-71, Meth. 134.1 |
| 09/B60  | CGSB Method 1-GP-71, Meth. 142.1 |
| 09/C26a | ASTM D2369                       |
| 09/C26b | CGSB Method 1-GP-71, Meth. 17.1  |
| 09/C26c | CGSB Method 1-GP-71, Meth. 19.1  |
| 09/C28  | ASTM D2697                       |
| 09/C29  | ASTM D2698                       |
| 09/C39  | ASTM D3960                       |
| 09/C40  | ASTM D4017                       |
| 09/C42  | CGSB Method 1-GP-71, Meth. 21.1  |
| 09/C43  | CGSB Method 1-GP-71, Meth. 24.1  |
| 09/C44  | ASTM D5095                       |
| 09/C45  | CGSB Method 1-GP-71, Meth. 69.3  |
| 09/D01  | ASTM B117                        |
| 09/D14  | ASTM G23                         |
| 09/D16  | ASTM G53                         |

## NVLAP LAB CODE 100255-0

### Underwriters Laboratories, Inc.

1285 Walt Whitman Road  
Melville, NY 11747-3081  
Contact: Mr. Jim Beyreis  
Phone: 708-272-8800  
Fax: 708-272-8129

### FCC Test Methods

Accreditation Valid Through: September 30, 1997

#### NVLAP

Code Designation

#### Federal Communications Commission (FCC) Methods

|         |                                                                                |
|---------|--------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices                                  |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                            |
| 12/F01b | Radiated Emissions                                                             |
| 12/T01  | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - |

|                                                              |                                                 |        |                          |
|--------------------------------------------------------------|-------------------------------------------------|--------|--------------------------|
| 12/T01a                                                      | Analog and Digital                              | 09/E22 | TAPPI T807-OM            |
|                                                              | 68.302 (Par. c,d,e,f) Environmental simulation; | 09/E25 | TAPPI T826-PM            |
|                                                              | 68.304 Leakage current limit.; 68.306           | 09/E26 | TAPPI UM-524             |
|                                                              | Hazardous voltage limit.; 68.308 Signal power   | 09/E28 | TAPPI T541-OM            |
|                                                              | limit.; 68.310 Longitudinal balance limit.;     | 09/E30 | TAPPI T822-OM            |
| 12/T01b                                                      | 68.312 On-hook impedance limit.; 68.314         | 09/H01 | ASTM D642; TAPPI T804-OM |
|                                                              | Billing protection                              | 09/H26 | TAPPI UM-807             |
|                                                              | 68.316 Hearing Aid Compatibility: technical     | 09/H28 | TAPPI T810-OM            |
| 12/T01c                                                      | standards                                       | 09/H29 | TAPPI T811-OM            |
|                                                              | 68.302 Environmental simulation (Par. a,b)      | 09/H30 | TAPPI T821-OM            |
| <b>International Special Committee on Radio Interference</b> |                                                 | 09/H31 | TAPPI T825-PM            |
| <b>(CISPR) Methods</b>                                       |                                                 |        |                          |
| 12/CIS22                                                     | IEC/CISPR 22:1993: Limits and methods of        |        |                          |
|                                                              | measurement of radio disturbance                |        |                          |
|                                                              | characteristics of information technology       |        |                          |
|                                                              | equipment                                       |        |                          |

NVLAP LAB CODE 100256-0

**Western Electro-Acoustic Lab., Inc.**

1711 16th Street  
Santa Monica, CA 90404  
Contact: Mr. Jose C. Ortega  
Phone: 213-870-9628  
Fax: 310-396-3424

**Acoustical Testing Services**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| Code   | Designation |
|--------|-------------|
| 08/P03 | ASTM C423   |
| 08/P06 | ASTM E90    |
| 08/P31 | ASTM E336   |
| 08/P32 | ASTM E1007  |

NVLAP LAB CODE 100259-0

**MacMillan Bloedel Packaging, Inc., Combined**

**Board Test Lab**

Highway 10 East  
P.O. Box 336  
Pine Hill, AL 36769-5336  
Contact: Mr. William Milstead  
Phone: 334-963-4391  
Fax: 334-963-4887

**Commercial Products Testing**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| Code   | Designation               |
|--------|---------------------------|
| 09/E02 | TAPPI T402-OM; ASTM D685  |
| 09/E05 | TAPPI T410-OM             |
| 09/E06 | TAPPI T411-OM             |
| 09/E07 | TAPPI T412-OM; ASTM D644  |
| 09/E08 | TAPPI T414-OM             |
| 09/E11 | TAPPI T452-OM             |
| 09/E12 | TAPPI T459-OM; ASTM D2482 |
| 09/E13 | TAPPI T460-OM; ASTM D726  |
| 09/E19 | TAPPI T538-OM             |
| 09/E20 | TAPPI T809-OM             |

**Paper and Related Products**

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code   | Designation |
|--------|-------------|
| 01/D07 | ASTM C272   |
| 01/D09 | ASTM C303   |
| 01/D19 | ASTM D2126  |

**Mass, Density, and Dimensional Stability**

**Related Material Properties**

**Strength**

**Thermal Resistance**

NVLAP LAB CODE 100267-0

**Retlif Testing Laboratories**

795 Marconi Avenue  
Ronkonkoma, NY 11779-7231  
Contact: Mr. Ross A. Hansen  
Phone: 516-737-1500  
Fax: 516-737-1497  
E-Mail: 72723.1447@compuserve.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code   | Designation |
|--------|-------------|
| 12/T42 | TS-002      |
| 12/T43 | TS-003      |
| 12/T44 | TS-004      |
| 12/T45 | TS-006      |
| 12/T46 | TS-008      |

**AUSTEL Technical Standards as determined under the**

**Telecommunications Act of 1991**

*Australian Standards referred to by clauses in AUSTEL*

**Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
- 12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
- 12/F01b Radiated Emissions
- 12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
- 12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
- 12/T01b 68.316 Hearing Aid Compatibility: technical standards
- 12/T01c 68.302 Environmental simulation (Par. a,b)

**International Special Committee on Radio Interference (CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

Code Designation

**Conducted Emissions:**

- 12/A01 MIL-STD-462 Method CE01
- 12/A04 MIL-STD-462 Method CE02
- 12/A06 MIL-STD-462 Method CE03
- 12/A08 MIL-STD-462 Method CE04
- 12/A12 MIL-STD-462 Method CE07

**Conducted Susceptibility:**

- 12/B01 MIL-STD-462 Method CS01
- 12/B02 MIL-STD-462 Method CS02
- 12/B05 MIL-STD-462 Method CS06
- 12/B08 MIL-STD-462 Method CS10
- 12/B09 MIL-STD-462 Method CS11

**Radiated Emissions:**

- 12/D01 MIL-STD-462 Method RE01
- 12/D02 MIL-STD-462 Method RE02

**Radiated Susceptibility:**

- 12/E01 MIL-STD-462 Method RS01
- 12/E02 MIL-STD-462 Method RS02
- 12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
- 12/E05 MIL-STD-462 Method RS05
- 12/E07 MIL-STD-462 Method RS06

**NVLAP LAB CODE 100267-1**

**Retlif Testing Laboratories**

101 New Boston Road  
Goffstown, NH 03045  
Contact: John Monahan  
Phone: 603-497-4600  
Fax: 603-497-5281

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

Code Designation

**AUSTEL Technical Standards as determined under the Telecommunications Act of 1991**

- 12/T42 TS-002
- 12/T43 TS-003
- 12/T44 TS-004
- 12/T45 TS-006
- 12/T46 TS-008

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
- 12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
- 12/F01b Radiated Emissions

**International Special Committee on Radio Interference (CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**NVLAP LAB CODE 100268-0**

**TUV Product Service, Inc.**

10040 Mesa Rim Road  
San Diego, CA 92121  
Contact: Mr. John G. Smith  
Phone: 619-546-3999  
Fax: 619-546-0364  
E-Mail: jsmith@TUVps.com

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

Code Designation

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
- 12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
- 12/F01b Radiated Emissions

**International Special Committee on Radio Interference (CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology

| equipment                                      |                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIL-STD-462 Test Methods</b>                |                                                                                                                                        |
| Accreditation Valid Through: December 31, 1997 |                                                                                                                                        |
| <i>NVLAP</i>                                   |                                                                                                                                        |
| <i>Code</i>                                    | <i>Designation</i>                                                                                                                     |
| <b>Conducted Emissions:</b>                    |                                                                                                                                        |
| 12/A01                                         | MIL-STD-462 Method CE01                                                                                                                |
| 12/A04                                         | MIL-STD-462 Method CE02                                                                                                                |
| 12/A06                                         | MIL-STD-462 Method CE03                                                                                                                |
| 12/A08                                         | MIL-STD-462 Method CE04                                                                                                                |
| 12/A10                                         | MIL-STD-462 Method CE06                                                                                                                |
| 12/A12                                         | MIL-STD-462 Method CE07                                                                                                                |
| <b>Conducted Susceptibility:</b>               |                                                                                                                                        |
| 12/B01                                         | MIL-STD-462 Method CS01                                                                                                                |
| 12/B02                                         | MIL-STD-462 Method CS02                                                                                                                |
| 12/B04                                         | MIL-STD-462 Method<br>CS03/CS04/CS05/CS08                                                                                              |
| 12/B05                                         | MIL-STD-462 Method CS06                                                                                                                |
| 12/B06                                         | MIL-STD-462 Method CS07                                                                                                                |
| 12/B07                                         | MIL-STD-462 Method CS09                                                                                                                |
| <b>Radiated Emissions:</b>                     |                                                                                                                                        |
| 12/D01                                         | MIL-STD-462 Method RE01                                                                                                                |
| 12/D02                                         | MIL-STD-462 Method RE02                                                                                                                |
| 12/D03                                         | MIL-STD-462 Method RE03                                                                                                                |
| <b>Radiated Susceptibility:</b>                |                                                                                                                                        |
| 12/E01                                         | MIL-STD-462 Method RS01                                                                                                                |
| 12/E02                                         | MIL-STD-462 Method RS02                                                                                                                |
| 12/E03                                         | MIL-STD-462 Method RS03 (Consult<br>laboratory for field strengths available)                                                          |
| 12/E04                                         | MIL-STD-462 Method RS03 employing<br>RADHAZ procedures for high level testing<br>(Consult laboratory for field strengths<br>available) |

**NVLAP LAB CODE 100269-0**

**Norand EMC Test Laboratory**

550 Second Street S.E.  
Cedar Rapids, IA 52401  
Contact: Mr. Cedric Brownfield  
Phone: 319-846-2415  
Fax: 319-846-2475  
E-Mail: brownfieldcn@norand.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

|         |                                                        |
|---------|--------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital<br>Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz<br>to 30 MHz |
| 12/F01b | Radiated Emissions                                     |

**International Special Committee on Radio Interference**

**(CISPR) Methods**

|          |                                                                                                                                        |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of<br>measurement of radio disturbance<br>characteristics of information technology<br>equipment |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|

**NVLAP LAB CODE 100270-0**

**Inchcape Testing Services NA, Inc.**

593 Massachusetts Avenue  
Boxborough, MA 01719-1503  
Contact: Mr. Roland W. Gubisch  
Phone: 508-263-2662  
Fax: 508-263-7086  
E-Mail: rgubisch@std.world.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**AUSTEL Technical Standards as determined under the  
Telecommunications Act of 1991**

|        |        |
|--------|--------|
| 12/T41 | TS-001 |
| 12/T42 | TS-002 |
| 12/T43 | TS-003 |
| 12/T44 | TS-004 |
| 12/T45 | TS-006 |
| 12/T46 | TS-008 |
| 12/T49 | TS-016 |

**Australian Standards referred to by clauses in AUSTEL  
Technical Standards**

|        |         |
|--------|---------|
| 12/T51 | AS-3548 |
|--------|---------|

**Federal Communications Commission (FCC) Methods**

|         |                                                                                                                                                                                                                                                           |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital<br>Devices                                                                                                                                                                                                          |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz<br>to 30 MHz                                                                                                                                                                                                    |
| 12/F01b | Radiated Emissions                                                                                                                                                                                                                                        |
| 12/T01  | Terminal Equipment Network Protection<br>Standards, FCC Method - 47 CFR Part 68 -<br>Analog and Digital                                                                                                                                                   |
| 12/T01a | 68.302 (Par. c,d,e,f) Environmental simulation;<br>68.304 Leakage current limit.; 68.306<br>Hazardous voltage limit.; 68.308 Signal power<br>limit.; 68.310 Longitudinal balance limit.;<br>68.312 On-hook impedance limit.; 68.314<br>Billing protection |
| 12/T01b | 68.316 Hearing Aid Compatibility: technical<br>standards                                                                                                                                                                                                  |
| 12/T01c | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                                |

**International Special Committee on Radio Interference  
(CISPR) Methods**

|          |                                                                                                                                        |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of<br>measurement of radio disturbance<br>characteristics of information technology<br>equipment |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Conducted Emissions:**

|        |                         |
|--------|-------------------------|
| 12/A01 | MIL-STD-462 Method CE01 |
| 12/A04 | MIL-STD-462 Method CE02 |
| 12/A06 | MIL-STD-462 Method CE03 |
| 12/A08 | MIL-STD-462 Method CE04 |

12/A10 MIL-STD-462 Method CE06  
12/A12 MIL-STD-462 Method CE07

**Conducted Susceptibility:**

12/B01 MIL-STD-462 Method CS01  
12/B02 MIL-STD-462 Method CS02  
12/B04 MIL-STD-462 Method  
CS03/CS04/CS05/CS08

12/B05 MIL-STD-462 Method CS06  
12/B06 MIL-STD-462 Method CS07  
12/B07 MIL-STD-462 Method CS09  
12/B08 MIL-STD-462 Method CS10  
12/B09 MIL-STD-462 Method CS11  
12/B10 MIL-STD-462 Method CS12  
12/B11 MIL-STD-462 Method CS13

**Radiated Emissions:**

12/D01 MIL-STD-462 Method RE01  
12/D02 MIL-STD-462 Method RE02  
12/D03 MIL-STD-462 Method RE03

**Radiated Susceptibility:**

12/E01 MIL-STD-462 Method RS01  
12/E02 MIL-STD-462 Method RS02  
12/E03 MIL-STD-462 Method RS03 (Consult  
laboratory for field strengths available)  
12/E04 MIL-STD-462 Method RS03 employing  
RADHAZ procedures for high level testing  
(Consult laboratory for field strengths  
available)  
12/E05 MIL-STD-462 Method RS05  
12/E07 MIL-STD-462 Method RS06

**NVLAP LAB CODE 100271-0**

**TUV Product Service, Inc.**

1775 Old Hwy. 8, Suite 104  
New Brighton, MN 55112-1891  
Contact: Mr. Timothy P. O'Shea  
Phone: 612-631-2487  
Fax: 612-638-0285  
E-Mail: toshea@tuvps.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Conducted Emissions:**

12/A01 MIL-STD-462 Method CE01  
12/A04 MIL-STD-462 Method CE02  
12/A06 MIL-STD-462 Method CE03  
12/A08 MIL-STD-462 Method CE04  
12/A12 MIL-STD-462 Method CE07

**Conducted Susceptibility:**

12/B01 MIL-STD-462 Method CS01  
12/B02 MIL-STD-462 Method CS02  
12/B05 MIL-STD-462 Method CS06  
12/B07 MIL-STD-462 Method CS09

**Radiated Emissions:**

12/D01 MIL-STD-462 Method RE01  
12/D02 MIL-STD-462 Method RE02

**Radiated Susceptibility:**

12/E01 MIL-STD-462 Method RS01  
12/E02 MIL-STD-462 Method RS02  
12/E03 MIL-STD-462 Method RS03 (Consult  
laboratory for field strengths available)  
12/E04 MIL-STD-462 Method RS03 employing  
RADHAZ procedures for high level testing  
(Consult laboratory for field strengths  
available)  
12/E07 MIL-STD-462 Method RS06

**NVLAP LAB CODE 100271-1**

**TUV Product Service, Inc.**

40 Meadow Road - PWS  
Lyons, CO 80540  
Contact: Lyle F. Luttrell  
Phone: 303-449-4165  
Fax: 303-449-3004  
E-Mail: lluttrell@tuvps.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference  
(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

**NVLAP LAB CODE 100272-0**

**Communication Certification Laboratory**

1940 West Alexander Street  
Salt Lake City, UT 84119-2039  
Contact: Mr. William S. Hurst  
Phone: 801-972-6146  
Fax: 801-972-8432  
E-Mail: wsh@cclab.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

|         |                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                                                                                                                              |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                                                                                                                        |
| 12/F01b | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01  | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |
| 12/T01c | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                 |

**NVLAP LAB CODE 100273-0**

**MET Laboratories, Inc.**

914 W. Patapsco Avenue  
Baltimore, MD 21230-3432  
Contact: Mr. Robert Frier  
Phone: 410-354-3300  
Fax: 410-354-3313  
E-Mail: rfrier@metlabs.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**AUSTEL Technical Standards as determined under the Telecommunications Act of 1991**

|        |        |
|--------|--------|
| 12/T41 | TS-001 |
| 12/T42 | TS-002 |
| 12/T43 | TS-003 |
| 12/T44 | TS-004 |
| 12/T45 | TS-006 |
| 12/T46 | TS-008 |
| 12/T49 | TS-016 |

**Australian Standards referred to by clauses in AUSTEL Technical Standards**

|        |         |
|--------|---------|
| 12/T50 | AS-3260 |
| 12/T51 | AS-3548 |

**Federal Communications Commission (FCC) Methods**

|                                                                              |                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01                                                                       | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                                                                                                                              |
| 12/F01a                                                                      | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                                                                                                                        |
| 12/F01b                                                                      | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01                                                                       | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a                                                                      | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b                                                                      | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |
| 12/T01c                                                                      | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                 |
| <b>International Special Committee on Radio Interference (CISPR) Methods</b> |                                                                                                                                                                                                                                            |
| 12/CIS22                                                                     | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment                                                                                                              |

**NVLAP LAB CODE 100274-0**

**Inchcape Testing Services NA, Inc.**

731 Enterprise Drive  
Lexington, KY 40510-1029  
Contact: Mr. Clifford Eugene Jones  
Phone: 606-226-1060  
Fax: 606-225-1050

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

|         |                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                                                                                                                              |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                                                                                                                        |
| 12/F01b | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01  | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |
| 12/T01c | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                 |

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**NVLAP LAB CODE 100275-0**


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**Lucent Technologies, Global Product Compliance Lab**

101 Crawfords Corner Road, M/S 11C-165  
P.O. Box 3030  
Holmdel, NJ 07733-3030  
Contact: Mr. D. N. Heirman  
Phone: 908-834-1801  
Fax: 908-834-1807

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**AUSTEL Technical Standards as determined under the Telecommunications Act of 1991**

12/T41 TS-001  
12/T42 TS-002  
12/T44 TS-004  
12/T45 TS-006  
12/T46 TS-008

**Australian Standards referred to by clauses in AUSTEL Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference (CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

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**NVLAP LAB CODE 100276-0**


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**D.L.S. Electronic Systems, Inc.**

1250 Peterson Drive  
Wheeling, IL 60090-6454  
Contact: Mr. Brian J. Mattson  
Phone: 847-537-6400  
Fax: 847-537-6488

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference (CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

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**NVLAP LAB CODE 100278-0**


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**Elite Electronic Engineering Company**

1516 Centre Circle  
Downers Grove, IL 60515-1082  
Contact: Mr. Raymond Klouda  
Phone: 630-495-9770  
Fax: 630-495-9785

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions  
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital  
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection  
12/T01b 68.316 Hearing Aid Compatibility: technical standards  
12/T01c 68.302 Environmental simulation (Par. a,b)

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

**Conducted Emissions:**

12/A01 MIL-STD-462 Method CE01  
12/A04 MIL-STD-462 Method CE02  
12/A06 MIL-STD-462 Method CE03  
12/A08 MIL-STD-462 Method CE04  
12/A10 MIL-STD-462 Method CE06  
12/A12 MIL-STD-462 Method CE07

**Conducted Susceptibility:**

12/B01 MIL-STD-462 Method CS01  
12/B02 MIL-STD-462 Method CS02  
12/B04 MIL-STD-462 Method CS03/CS04/CS05/CS08  
12/B05 MIL-STD-462 Method CS06  
12/B06 MIL-STD-462 Method CS07  
12/B07 MIL-STD-462 Method CS09  
12/B08 MIL-STD-462 Method CS10  
12/B09 MIL-STD-462 Method CS11

**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued**

12/B10 MIL-STD-462 Method CS12  
12/B11 MIL-STD-462 Method CS13

**Radiated Emissions:**

12/D01 MIL-STD-462 Method RE01  
12/D02 MIL-STD-462 Method RE02  
12/D03 MIL-STD-462 Method RE03

**Radiated Susceptibility:**

12/E01 MIL-STD-462 Method RS01  
12/E02 MIL-STD-462 Method RS02  
12/E04 MIL-STD-462 Method RS03 employing  
RADHAZ procedures for high level testing  
(Consult laboratory for field strengths  
available)  
12/E05 MIL-STD-462 Method RS05  
12/E07 MIL-STD-462 Method RS06

**NVLAP LAB CODE 100280-0****R & B Enterprises**

20 Clipper Road  
West Conshohocken, PA 19428-2721  
Contact: Mr. Finbarr M. O'Connor, Jr.  
Phone: 610-825-1960  
Fax: 610-825-1684  
E-Mail: EMC@RBITEM.COM

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Conducted Emissions:**

12/A01 MIL-STD-462 Method CE01  
12/A06 MIL-STD-462 Method CE03  
12/A10 MIL-STD-462 Method CE06  
12/A12 MIL-STD-462 Method CE07

**Conducted Susceptibility:**

12/B01 MIL-STD-462 Method CS01  
12/B02 MIL-STD-462 Method CS02  
12/B05 MIL-STD-462 Method CS06  
12/B06 MIL-STD-462 Method CS07  
12/B07 MIL-STD-462 Method CS09  
12/B08 MIL-STD-462 Method CS10  
12/B09 MIL-STD-462 Method CS11  
12/B10 MIL-STD-462 Method CS12  
12/B11 MIL-STD-462 Method CS13

**Radiated Emissions:**

12/D01 MIL-STD-462 Method RE01  
12/D02 MIL-STD-462 Method RE02

**Radiated Susceptibility:**

12/E01 MIL-STD-462 Method RS01  
12/E02 MIL-STD-462 Method RS02  
12/E04 MIL-STD-462 Method RS03 employing  
RADHAZ procedures for high level testing  
(Consult laboratory for field strengths  
available)  
12/E05 MIL-STD-462 Method RS05

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Australian Standards referred to by clauses in AUSTEL Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines. 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**NVLAP LAB CODE 100284-0****Amoco Foam Products Quality Management Laboratory**

2907 Log Cabin Drive  
Smyrna, GA 30080  
Contact: Mr. Melvin Richardson  
Phone: 404-350-1415  
Fax: 404-350-1515

**Thermal Insulation Materials**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Related Material Properties**

01/V04 ASTM E96

**Thermal Resistance**

01/T06 ASTM C518

**NVLAP LAB CODE 100286-0****Acoustic Systems Acoustical Research Facility**

415 East St. Elmo Road  
P.O. Box 3610  
Austin, TX 78764  
Contact: Mr. John Harrington  
Phone: 512-444-1961  
Fax: 512-444-2282  
E-Mail: ebbtide@mail.utexas.edu, acoustic@inetport.com

**Acoustical Testing Services**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

08/P03 ASTM C423  
08/P06 ASTM E90  
08/P08 ASTM E596  
08/P10 ANSI S12.31 (ISO 3741)  
08/P24 ANSI S12.10 (ISO 7779)  
08/P35 ASTM E1050

**NVLAP LAB CODE 100288-0****Bentley Testing Laboratory**

14641 E. Don Julian Road  
P.O. Box 527  
City of Industry, CA 91746-3106  
Contact: Ms. Sandy Kolby  
Phone: 818-333-4585  
Fax: 818-333-4125

# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued

## Carpet and Carpet Cushion

Accreditation Valid Through: September 30, 1997

### NVLAP

Code Designation

### Tests Applicable to Carpet and Carpet Cushion

03/T01 AATCC 16 (Option E)

03/T04 16 CFR Part 1630 (FF-1-70)

### Tests Applicable to Carpets

03/G04 AATCC 165

03/G05 ASTM D418 (Sec. 8)

03/G06 ASTM D418 (Sec. 9)

03/G07 ASTM D418 (Secs. 10-11)

03/G08 ASTM D418 (Sec. 13)

03/G09 ASTM D1335

03/G10 ASTM D3936

03/G12 ASTM E648

03/G13 ASTM E662

## NVLAP LAB CODE 100290-0

### Akzo Kashima Ltd., Kashima EMC Site

1 Oaza Sunayama, Hasaki, Kashima-gun

Ibaraki 314-02

JAPAN

Contact: Mr. Shuichi Kobayashi

Phone: +81-479-46-2771

Fax: +81-479-46-1788

## FCC Test Methods

Accreditation Valid Through: December 31, 1997

### NVLAP

Code Designation

### Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital

Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

### International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

## NVLAP LAB CODE 100290-1

### Akzo Kashima Ltd., Yokohama Test Center

2-30 Hatsunecho, Naka-ku

Yokohama 231

JAPAN

Contact: Tomohiro Kuriyama

Phone: +81-45-251-8300

Fax: +81-45-251-8377

## FCC Test Methods

Accreditation Valid Through: December 31, 1997

### NVLAP

Code Designation

### Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital

## Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital

12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection

12/T01b 68.316 Hearing Aid Compatibility: technical standards

12/T01c 68.302 Environmental simulation (Par. a,b)

## NVLAP LAB CODE 100290-2

### Akzo Kashima Ltd. Kakegawa EMC Test Site

322 Shimotaruki, Kakegawa

Shizuoka 436-02

JAPAN

Contact: Seiji Matsuda

Phone: +81-837-24-8191

Fax: +81-537-24-8193

## FCC Test Methods

Accreditation Valid Through: December 31, 1997

### NVLAP

Code Designation

### Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

### International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

## NVLAP LAB CODE 100290-3

### Akzo Kashima Ltd., Nagano EMC Test Site

3226 Yokokawa, Tatsuno, Kamina-gun

Nagano 399-05

JAPAN

Contact: Yoshio Kowase

Phone: +81-266-47-5311

Fax: +81-266-47-5540

## FCC Test Methods

Accreditation Valid Through: December 31, 1997

### NVLAP

Code Designation

### Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital

Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions  
**International Special Committee on Radio Interference  
(CISPR) Methods**  
12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

**NVLAP LAB CODE 100290-4**

**Akzo Kashima Ltd., Matsuda EMC Test Site**

1283 Yadorigi, Matsuda, Ashigarakami-gun  
Kanagawa 258  
JAPAN  
Contact: Hideki Hayashi  
Phone: +81-465-89-2316  
Fax: +81-465-89-2160

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference  
(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

**NVLAP LAB CODE 100290-5**

**Akzo Kashima Ltd., Tochigi EMC Test Site**

870 Nakaawano, Awano, Kamitsuga-gun  
Tochigi 322-03  
JAPAN  
Contact: Kazuharu Yanagisawa  
Phone: +81-289-86-7121  
Fax: +81-289-86-7126

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference  
(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

**NVLAP LAB CODE 100296-0**

**Chomerics Test Services (CTS)**

77 Dragon Court  
Woburn, MA 01888-4014  
Contact: Mr. David C. Inman  
Phone: 617-935-4850  
Fax: 617-935-2758  
E-Mail: CHORTS@AOL.com

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

**NVLAP**

Code Designation

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference  
(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

**NVLAP LAB CODE 100297-0**

**Professional Testing Laboratory, Inc.**

714 Glenwood Place  
Dalton, GA 30721  
Contact: Mr. Greg Phillips  
Phone: 706-226-3283  
Fax: 706-226-6787

**Carpet and Carpet Cushion**

Accreditation Valid Through: June 30, 1997

**NVLAP**

Code Designation

**Tests Applicable to Carpet Cushion**

03/U01c ASTM D3574(Sec. 8.2; Test A)/D3676 (Sec.  
10-12)  
03/U02 ASTM D297  
03/U03 ASTM D629 (Sec. 10)  
03/U04 ASTM D629 (Secs. 13-22)  
03/U05 ASTM D629 (Secs. 23-27)  
03/U06 ASTM D1667 (Suffix B)  
03/U07 ASTM D3574 (Test C)  
03/U08 ASTM D3574 (Test D)  
03/U09 ASTM D3574 (Test E)  
03/U10 ASTM D3676 (Sec.13)

**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued**

03/U11 ASTM D3676 (Sec.14)  
03/U12 ASTM D3676 (Sec.15)  
03/U13 ASTM D3676 (Sec.16)  
*Tests Applicable to Carpet and Carpet Cushion*  
03/T01 AATCC 16 (Option E)  
03/T02 ASTM D2646 (Secs. 16-24)  
03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G01 AATCC 20  
03/G02 AATCC 20A  
03/G03 AATCC 134  
03/G04 AATCC 165  
03/G05 ASTM D418 (Sec. 8)  
03/G06 ASTM D418 (Sec. 9)  
03/G07 ASTM D418 (Secs. 10-11)  
03/G08 ASTM D418 (Sec. 13)  
03/G09 ASTM D1335  
03/G10 ASTM D3936  
03/G12 ASTM E648  
03/G13 ASTM E662

**NVLAP LAB CODE 100308-0****Special Testing Laboratories, Inc.**

21 Henry Street  
P.O. Box 200  
Bethel, CT 06801-0200  
Contact: Mr. Richard Speciale  
Phone: 203-743-7281  
Fax: 203-791-2451

**Construction Materials Testing**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A03 | ASTM C29  |
| 02/A04 | ASTM C40  |
| 02/A06 | ASTM C88  |
| 02/A07 | ASTM C117 |
| 02/A09 | ASTM C127 |
| 02/A10 | ASTM C128 |
| 02/A11 | ASTM C131 |
| 02/A12 | ASTM C136 |
| 02/A15 | ASTM D75  |
| 02/A15 | ASTM D75  |
| 02/A44 | ASTM C566 |

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/A40 | ASTM C78                     |
| 02/A41 | ASTM C192                    |
| 02/A43 | ASTM C1064                   |
| 02/A45 | ASTM C42                     |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Road and Paving Materials**

|        |            |
|--------|------------|
| 02/M25 | ASTM D2726 |
|--------|------------|

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L02 | ASTM D422  |
| 02/L04 | ASTM D698  |
| 02/L06 | ASTM D1140 |

|        |            |
|--------|------------|
| 02/L07 | ASTM D1556 |
| 02/L08 | ASTM D1557 |
| 02/L09 | ASTM D1558 |
| 02/L12 | ASTM D2168 |
| 02/L13 | ASTM D2216 |
| 02/L16 | ASTM D2487 |
| 02/L17 | ASTM D2488 |
| 02/L20 | ASTM D4318 |
| 02/L31 | ASTM D2167 |

**Standard Practices**

|        |            |
|--------|------------|
| 02/A38 | ASTM E329  |
| 02/A39 | ASTM C1077 |

**NVLAP LAB CODE 100313-0****Washington Metropolitan Area Transit Authority  
QLAS Laboratory**

600 Fifth Street, N.W.  
Washington, DC 20001  
Contact: Mr. R. Louis Viner, Jr.  
Phone: 202-832-2997  
Fax: 202-832-2995  
E-Mail: LViner@WMATA.COM

**Construction Materials Testing**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A04 | ASTM C40  |
| 02/A07 | ASTM C117 |
| 02/A09 | ASTM C127 |
| 02/A12 | ASTM C136 |
| 02/A15 | ASTM D75  |

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/A40 | ASTM C78                     |
| 02/A43 | ASTM C1064                   |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L04 | ASTM D698  |
| 02/L08 | ASTM D1557 |
| 02/L12 | ASTM D2168 |
| 02/L13 | ASTM D2216 |
| 02/L20 | ASTM D4318 |
| 02/L23 | ASTM D2922 |
| 02/L25 | ASTM D3017 |

**Standard Practices**

|        |            |
|--------|------------|
| 02/A39 | ASTM C1077 |
|--------|------------|

**NVLAP LAB CODE 100315-0****Eastern Materials Testing Laboratory**

321 Ellis Street  
New Britain, CT 06051  
Contact: Mr. Kevin J. Brigandi  
Phone: 860-224-3316  
Fax: 860-229-9567  
E-Mail: kbrigandi@aol.com or emtl@aol.com

**Construction Materials Testing**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A03 | ASTM C29  |
| 02/A04 | ASTM C40  |
| 02/A07 | ASTM C117 |
| 02/A09 | ASTM C127 |
| 02/A10 | ASTM C128 |
| 02/A12 | ASTM C136 |

**Cement**

|        |           |
|--------|-----------|
| 02/A17 | ASTM C109 |
|--------|-----------|

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/A41 | ASTM C192                    |
| 02/A43 | ASTM C1064                   |
| 02/A45 | ASTM C42                     |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L02 | ASTM D422  |
| 02/L04 | ASTM D698  |
| 02/L06 | ASTM D1140 |
| 02/L08 | ASTM D1557 |
| 02/L12 | ASTM D2168 |
| 02/L13 | ASTM D2216 |
| 02/L20 | ASTM D4318 |
| 02/L23 | ASTM D2922 |
| 02/L25 | ASTM D3017 |
| 02/L31 | ASTM D2167 |

**Standard Practices**

|        |            |
|--------|------------|
| 02/A39 | ASTM C1077 |
|--------|------------|

**NVLAP LAB CODE 100316-0**
**Independent Materials Testing Laboratories, Inc.**

57 N. Washington Street

P.O. Box 745

Plainville, CT 06062-0745

Contact: Mr. David P. Aiudi

Phone: 203-525-7193

Fax: 203-747-6455

**Construction Materials Testing**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A03 | ASTM C29  |
| 02/A04 | ASTM C40  |
| 02/A06 | ASTM C88  |
| 02/A07 | ASTM C117 |
| 02/A08 | ASTM C123 |
| 02/A09 | ASTM C127 |
| 02/A10 | ASTM C128 |
| 02/A11 | ASTM C131 |
| 02/A12 | ASTM C136 |
| 02/A13 | ASTM C142 |
| 02/A15 | ASTM D75  |

|        |           |
|--------|-----------|
| 02/A44 | ASTM C566 |
|--------|-----------|

**Cement**

|        |           |
|--------|-----------|
| 02/A26 | ASTM C191 |
|--------|-----------|

|        |           |
|--------|-----------|
| 02/A31 | ASTM C305 |
|--------|-----------|

**Concrete**

|        |          |
|--------|----------|
| 02/A01 | ASTM C39 |
|--------|----------|

|        |           |
|--------|-----------|
| 02/A02 | ASTM C617 |
|--------|-----------|

|        |           |
|--------|-----------|
| 02/A41 | ASTM C192 |
|--------|-----------|

|        |            |
|--------|------------|
| 02/A43 | ASTM C1064 |
|--------|------------|

|        |                              |
|--------|------------------------------|
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
|--------|------------------------------|

|        |           |
|--------|-----------|
| 02/G02 | ASTM C173 |
|--------|-----------|

**Geotextiles**

|        |            |
|--------|------------|
| 02/L28 | ASTM D4354 |
|--------|------------|

**Road and Paving Materials**

|        |           |
|--------|-----------|
| 02/M08 | ASTM D979 |
|--------|-----------|

|        |            |
|--------|------------|
| 02/M11 | ASTM D1188 |
|--------|------------|

|        |            |
|--------|------------|
| 02/M19 | ASTM D2172 |
|--------|------------|

|        |            |
|--------|------------|
| 02/M24 | ASTM D2041 |
|--------|------------|

|        |            |
|--------|------------|
| 02/M25 | ASTM D2726 |
|--------|------------|

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L01 | ASTM D4220 |
|--------|------------|

|        |           |
|--------|-----------|
| 02/L02 | ASTM D422 |
|--------|-----------|

|        |           |
|--------|-----------|
| 02/L04 | ASTM D698 |
|--------|-----------|

|        |           |
|--------|-----------|
| 02/L05 | ASTM D854 |
|--------|-----------|

|        |            |
|--------|------------|
| 02/L06 | ASTM D1140 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L08 | ASTM D1557 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L11 | ASTM D2166 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L12 | ASTM D2168 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L13 | ASTM D2216 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L14 | ASTM D2217 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L16 | ASTM D2487 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L18 | ASTM D3080 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L20 | ASTM D4318 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L22 | ASTM D2850 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L23 | ASTM D2922 |
|--------|------------|

|        |            |
|--------|------------|
| 02/L25 | ASTM D3017 |
|--------|------------|

|        |                             |
|--------|-----------------------------|
| 02/L29 | Corps of Engineers - Manual |
|--------|-----------------------------|

EM-1110-2-1906, Appendix VII, Permeability of Fine Grained Soils Using a Triaxial Apparatus

|        |                             |
|--------|-----------------------------|
| 02/L30 | Corps of Engineers - Manual |
|--------|-----------------------------|

EM-1110-2-1906, Appendix X, Consolidated Undrained and Consolidated Drained Triaxial Test

|        |            |
|--------|------------|
| 02/L31 | ASTM D2167 |
|--------|------------|

**Standard Practices**

|        |           |
|--------|-----------|
| 02/A38 | ASTM E329 |
|--------|-----------|

|        |            |
|--------|------------|
| 02/A39 | ASTM C1077 |
|--------|------------|

**Steel Materials**

|        |           |
|--------|-----------|
| 02/S07 | ASTM E709 |
|--------|-----------|

|        |           |
|--------|-----------|
| 02/S08 | ASTM E165 |
|--------|-----------|

NVLAP LAB CODE 100317-0

**Fairfield Testing Laboratory, Inc.**

652 Glenbrook Road, P.O. 2310  
Stamford, CT 06906  
Contact: Mr. James E. Quill  
Phone: 203-877-8989  
Fax: 203-882-8844

**Construction Materials Testing**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A12 | ASTM C136 |
|--------|-----------|

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/A43 | ASTM C1064                   |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L08 | ASTM D1557 |
| 02/L23 | ASTM D2922 |

NVLAP LAB CODE 100319-0

**PSI**

60 Hamilton Street  
New Haven, CT 06511  
Contact: Mr. Joe Tenedine  
Phone: 203-772-0710  
Fax: 203-772-0713

**Construction Materials Testing**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A04 | ASTM C40  |
| 02/A07 | ASTM C117 |
| 02/A09 | ASTM C127 |
| 02/A10 | ASTM C128 |
| 02/A11 | ASTM C131 |
| 02/A12 | ASTM C136 |

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A40 | ASTM C78                     |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Standard Practices**

|        |            |
|--------|------------|
| 02/A38 | ASTM E329  |
| 02/A39 | ASTM C1077 |
| 02/L32 | ASTM D3740 |
| 02/M26 | ASTM D3666 |

NVLAP LAB CODE 100320-0

**Materials Testing, Inc.**

200 Rowe Avenue  
Milford, CT 06460  
Contact: Mr. Frank A. Soucy  
Phone: 203-878-2765  
Fax: 208-878-1504

**Construction Materials Testing**

Accreditation Valid Through: December 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A03 | ASTM C29  |
| 02/A04 | ASTM C40  |
| 02/A06 | ASTM C88  |
| 02/A07 | ASTM C117 |
| 02/A08 | ASTM C123 |
| 02/A09 | ASTM C127 |
| 02/A10 | ASTM C128 |
| 02/A11 | ASTM C131 |
| 02/A12 | ASTM C136 |
| 02/A46 | ASTM C535 |

**Cement**

|        |           |
|--------|-----------|
| 02/A17 | ASTM C109 |
|--------|-----------|

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L02 | ASTM D422  |
| 02/L04 | ASTM D698  |
| 02/L05 | ASTM D854  |
| 02/L06 | ASTM D1140 |
| 02/L08 | ASTM D1557 |
| 02/L13 | ASTM D2216 |
| 02/L31 | ASTM D2167 |

NVLAP LAB CODE 100322-0

**Canadian Standards Association**

178 Rexdale Boulevard  
Etobicoke Ontario M9W 1R3  
CANADA  
Contact: Mr. Doug Geralde  
Phone: 416-747-4295  
Fax: 416-747-4287

**Commercial Products Testing**

Accreditation Valid Through: December 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Plumbing**

|        |                             |
|--------|-----------------------------|
| 19/F01 | ASME A112.18.1M (Sec. 5.2)  |
| 19/F02 | ASME A112.18.1M (Sec. 5.14) |
| 19/F03 | ASME A112.18.1M (Sec. 6.2)  |
| 19/F04 | ASME A112.18.1M (Sec. 6.4)  |
| 19/F05 | ASME A112.18.1M (Sec. 6.5)  |
| 19/F06 | ASME A112.18.1M (Sec. 6.6)  |
| 19/F07 | ASME A112.18.1M (Sec. 6.7)  |

|        |                                                           |
|--------|-----------------------------------------------------------|
| 19/F08 | ASME A112.18.1M (Sec. 6.8)                                |
| 19/F09 | ASME A112.18.1M (Sec. 5.13)                               |
| 19/P01 | ANSI Z124.1 (Sec. 4, 5, 6)                                |
| 19/P02 | ANSI Z124.2 (Sec. 4, 5, 6)                                |
| 19/P03 | ANSI Z124.3 (Sec. 4, 5, 6)                                |
| 19/P04 | ANSI Z124.4 (Sec. 4, 5)                                   |
| 19/P05 | ANSI Z124.4 (Sec. 2.11) per ASME<br>A112.19.6M (Sec. 7.1) |
| 19/V01 | ASME A112.19.2M (Sec. 7.1)                                |
| 19/V02 | ASME A112.19.2M (Sec. 7.2)                                |
| 19/V03 | ASME A112.19.2M (Sec. 7.3)                                |
| 19/V04 | ASME A112.19.2M (Sec. 7.4)                                |
| 19/V05 | ASME A112.19.2M (Sec. 7.5)                                |
| 19/V06 | ASME A112.19.2M (Sec. 7.7)                                |
| 19/W01 | ASME A112.19.6 (Sec. 7.1.2)                               |
| 19/W02 | ASME A112.19.6 (Sec. 7.1.3)                               |
| 19/W03 | ASME A112.19.6 (Sec. 7.1.4)                               |
| 19/W04 | ASME A112.19.6 (Sec. 7.1.5)                               |
| 19/W05 | ASME A112.19.6 (Sec. 7.1.6)                               |
| 19/W06 | ASME A112.19.6 (Sec. 7.1.7)                               |
| 19/W07 | ASME A112.19.6 (Sec. 7.1.8)                               |
| 19/W08 | ASME A112.19.6 (Sec. 7.1.9)                               |

**NVLAP LAB CODE 100323-0**

**IBM Hudson Valley Acoustics Laboratory**

Building 704, M/S P226  
522 South Road  
Poughkeepsie, NY 12601-5400  
Contact: Dr. Matthew A. Nobile  
Phone: 914-432-9811  
Fax: 914-432-9880

**Acoustical Testing Services**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i>     |
|-------------|------------------------|
| 08/P03      | ASTM C423              |
| 08/P10      | ANSI S12.31 (ISO 3741) |
| 08/P13      | ANSI S12.32 (ISO 3742) |
| 08/P21      | ISO 3745               |
| 08/P24      | ANSI S12.10 (ISO 7779) |
| 08/P38      | ANSI S12.11            |
| 08/P39      | ANSI S12.5 (ISO 6926)  |

**NVLAP LAB CODE 100325-0**

**City of San Jose, Materials Testing Laboratory**

696 North 6th Street, Building 200  
San Jose, CA 95112-3208  
Contact: Mr. Alberto C. Oxonian  
Phone: 408-277-4513  
Fax: 408-275-8090

**Construction Materials Testing**

Accreditation Valid Through: December 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Aggregates**

|        |           |
|--------|-----------|
| 02/A03 | ASTM C29  |
| 02/A04 | ASTM C40  |
| 02/A06 | ASTM C88  |
| 02/A07 | ASTM C117 |

|                 |                              |
|-----------------|------------------------------|
| 02/A09          | ASTM C127                    |
| 02/A10          | ASTM C128                    |
| 02/A11          | ASTM C131                    |
| 02/A12          | ASTM C136                    |
| 02/A13          | ASTM C142                    |
| 02/A15          | ASTM D75                     |
| 02/A16          | ASTM D2419                   |
| 02/A44          | ASTM C566                    |
| <b>Concrete</b> |                              |
| 02/A01          | ASTM C39                     |
| 02/A02          | ASTM C617                    |
| 02/A40          | ASTM C78                     |
| 02/A41          | ASTM C192                    |
| 02/A42          | ASTM C360                    |
| 02/A43          | ASTM C1064                   |
| 02/A45          | ASTM C42                     |
| 02/G01          | ASTM C31/C172/C143/C138/C231 |
| 02/G02          | ASTM C173                    |

**Road and Paving Materials**

|        |            |
|--------|------------|
| 02/M01 | ASTM D5    |
| 02/M03 | ASTM D140  |
| 02/M05 | ASTM D244  |
| 02/M08 | ASTM D979  |
| 02/M09 | ASTM D1074 |
| 02/M11 | ASTM D1188 |
| 02/M12 | ASTM D1559 |
| 02/M13 | ASTM D1560 |
| 02/M14 | ASTM D1561 |
| 02/M15 | ASTM D1856 |
| 02/M17 | ASTM D2170 |
| 02/M18 | ASTM D2171 |
| 02/M19 | ASTM D2172 |
| 02/M20 | ASTM D2872 |
| 02/M24 | ASTM D2041 |
| 02/M25 | ASTM D2726 |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L02 | ASTM D422  |
| 02/L05 | ASTM D854  |
| 02/L06 | ASTM D1140 |
| 02/L08 | ASTM D1557 |
| 02/L12 | ASTM D2168 |
| 02/L13 | ASTM D2216 |
| 02/L14 | ASTM D2217 |
| 02/L16 | ASTM D2487 |
| 02/L20 | ASTM D4318 |
| 02/L23 | ASTM D2922 |
| 02/L25 | ASTM D3017 |
| 02/L47 | ASTM D2844 |

**Standard Practices**

|        |            |
|--------|------------|
| 02/A38 | ASTM E329  |
| 02/A39 | ASTM C1077 |
| 02/L32 | ASTM D3740 |
| 02/M26 | ASTM D3666 |

**NVLAP LAB CODE 100334-0**

**E. I. du Pont Co.**

403 Holiday Avenue  
Dalton, GA 30720  
Contact: Mr. Jack Rooke  
Phone: 706-275-7762  
Fax: 706-275-7768

**Carpet and Carpet Cushion**

Accreditation Valid Through: March 31, 1997

*NVLAP*

*Code Designation*

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)

**Tests Applicable to Carpets**

03/G03 AATCC 134

03/G05 ASTM D418 (Sec. 8)

03/G07 ASTM D418 (Secs. 10-11)

03/G08 ASTM D418 (Sec. 13)

**NVLAP LAB CODE 100339-0**

**Data General Corporation**

4400 Computer Drive  
Westboro, MA 01580  
Contact: Mr. Michael J. Dowling  
Phone: 508-898-6008  
Fax: 508-898-5413  
E-Mail: Mike\_Dowling@dgc.ceo.dg.com

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz

12/F01b Radiated Emissions

**NVLAP LAB CODE 100340-0**

**Fairway Testing Company, Inc.**

Smith Street  
P.O. Box 578  
Stony Point, NY 10980  
Contact: Mr. Brian Hugick  
Phone: 914-942-2088  
Fax: 914-942-0995

**Construction Materials Testing**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Aggregates**

02/A03 ASTM C29

02/A04 ASTM C40

02/A06 ASTM C88

02/A07 ASTM C117

02/A09 ASTM C127

02/A10 ASTM C128

02/A12 ASTM C136

02/A13 ASTM C142

02/A44 ASTM C566

**Concrete**

02/A01 ASTM C39

02/A02 ASTM C617

02/A40 ASTM C78

02/G01 ASTM C31/C172/C143/C138/C231

02/G02 ASTM C173

**Road and Paving Materials**

02/M01 ASTM D5

02/M11 ASTM D1188

02/M12 ASTM D1559

02/M19 ASTM D2172

02/M24 ASTM D2041

02/M25 ASTM D2726

**Soil and Rock**

02/L02 ASTM D422

02/L04 ASTM D698

02/L08 ASTM D1557

02/L13 ASTM D2216

02/L16 ASTM D2487

02/L20 ASTM D4318

02/L21 ASTM D2434

02/L23 ASTM D2922

02/L25 ASTM D3017

02/L29 Corps of Engineers - Manual

EM-1110-2-1906, Appendix VII, Permeability  
of Fine Grained Soils Using a Triaxial  
Apparatus

**Standard Practices**

02/A38 ASTM E329

02/A39 ASTM C1077

02/L32 ASTM D3740

02/M26 ASTM D3666

**Steel Materials**

02/S02 ASTM A370 (Sec. 14)/E190

02/S07 ASTM E709

02/S08 ASTM E165

**NVLAP LAB CODE 100342-0**

**Mindcraft, Inc.**

410 Cambridge Avenue  
Palo Alto, CA 94306-1507  
Contact: Mr. Bruce Weiner  
Phone: 415-323-9000  
Fax: 415-323-0854  
E-Mail: bruce@mindcraft.com

**POSIX**

Accreditation Valid Through: June 30, 1997

*NVLAP*

*Code Designation*

17/P03 National Institute of Standards and  
Technology-POSIX Conformance Test Suite  
(NIST-PCTS) for the Federal Info. Processing  
Std. 151-2 (FIPS 151-2) "Portable Operating  
System Interface (POSIX)-System Application  
Program Interface [C Language]"

NVLAP LAB CODE 100344-0

**Perennial, Inc.**

4699 Old Ironsides Drive, Suite 210  
Santa Clara, CA 95054-1827  
Contact: Mr. Barry Hedquist  
Phone: 408-748-2900  
Fax: 408-748-2909

**POSIX**

Accreditation Valid Through: September 30, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i>                                                                                                                                                                                                                               |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17/P03      | National Institute of Standards and Technology-POSIX Conformance Test Suite (NIST-PCTS) for the Federal Info. Processing Std. 151-2 (FIPS 151-2) "Portable Operating System Interface (POSIX)-System Application Program Interface [C Language]" |

NVLAP LAB CODE 100347-0

**Acton Environmental Testing, dba National Technical Systems**

533 Main Street  
Acton, MA 01720  
Contact: Mr. Martin J. Metcalf  
Phone: 508-263-2933  
Fax: 508-263-5734

**MIL-STD-462 Test Methods**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Conducted Emissions:**

|        |                         |
|--------|-------------------------|
| 12/A01 | MIL-STD-462 Method CE01 |
| 12/A04 | MIL-STD-462 Method CE02 |
| 12/A06 | MIL-STD-462 Method CE03 |
| 12/A08 | MIL-STD-462 Method CE04 |
| 12/A12 | MIL-STD-462 Method CE07 |

**Conducted Susceptibility:**

|        |                         |
|--------|-------------------------|
| 12/B01 | MIL-STD-462 Method CS01 |
| 12/B02 | MIL-STD-462 Method CS02 |
| 12/B05 | MIL-STD-462 Method CS06 |
| 12/B07 | MIL-STD-462 Method CS09 |

**Radiated Emissions:**

|        |                         |
|--------|-------------------------|
| 12/D01 | MIL-STD-462 Method RE01 |
| 12/D02 | MIL-STD-462 Method RE02 |

**Radiated Susceptibility:**

|        |                                                                                                                               |
|--------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/E01 | MIL-STD-462 Method RS01                                                                                                       |
| 12/E02 | MIL-STD-462 Method RS02                                                                                                       |
| 12/E03 | MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)                                                    |
| 12/E04 | MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available) |
| 12/E07 | MIL-STD-462 Method RS06                                                                                                       |

NVLAP LAB CODE 100350-0

**BNR Product Integrity Labs**

21 Richardson Side Road  
Kanata Ontario K2K 2C1  
CANADA  
Contact: Mr. Rick McDonald  
Phone: 613-763-2475  
Fax: 613-763-8091

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                                                                                                                              |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                                                                                                                        |
| 12/F01b | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01  | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |
| 12/T01c | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                 |

**International Special Committee on Radio Interference (CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

NVLAP LAB CODE 100351-0

**Certelecom Laboratories, Inc.**

3325 River Road, R.R. No. 5  
Ottawa Ontario K1V 1H2  
CANADA  
Contact: Mr. G. Rae Dulmage  
Phone: 613-737-9680  
Fax: 613-737-9691  
E-Mail: certel@intacc.net

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**AUSTEL Technical Standards as determined under the Telecommunications Act of 1991**

|        |        |
|--------|--------|
| 12/T41 | TS-001 |
| 12/T42 | TS-002 |
| 12/T43 | TS-003 |
| 12/T44 | TS-004 |
| 12/T45 | TS-006 |

|                                                                              |                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/T46                                                                       | TS-008                                                                                                                                                                                                                                     |
| 12/T49                                                                       | TS-016                                                                                                                                                                                                                                     |
| <i>Australian Standards referred to by clauses in AUSTEL</i>                 |                                                                                                                                                                                                                                            |
| <i>Technical Standards</i>                                                   |                                                                                                                                                                                                                                            |
| 12/T51                                                                       | AS-3548                                                                                                                                                                                                                                    |
| <i>Federal Communications Commission (FCC) Methods</i>                       |                                                                                                                                                                                                                                            |
| 12/F01                                                                       | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                                                                                                                              |
| 12/F01a                                                                      | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                                                                                                                        |
| 12/F01b                                                                      | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01                                                                       | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a                                                                      | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b                                                                      | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |
| 12/T01c                                                                      | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                 |
| <i>International Special Committee on Radio Interference (CISPR) Methods</i> |                                                                                                                                                                                                                                            |
| 12/CIS22                                                                     | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment                                                                                                              |

**NVLAP LAB CODE 100351-1**

**Certelec Laboratories, Inc.**

820 Proctor Avenue  
Ogdensburg, NY 13669-2205  
Contact: Ruth Varley  
Phone: 315-393-6546  
Fax: 315-393-7859

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

*AUSTEL Technical Standards as determined under the Telecommunications Act of 1991*

|        |        |
|--------|--------|
| 12/T41 | TS-001 |
| 12/T42 | TS-002 |
| 12/T43 | TS-003 |
| 12/T44 | TS-004 |
| 12/T45 | TS-006 |
| 12/T46 | TS-008 |
| 12/T49 | TS-016 |

*Australian Standards referred to by clauses in AUSTEL*

*Technical Standards*

12/T51 AS-3548

*Federal Communications Commission (FCC) Methods*

|         |                                               |
|---------|-----------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz     |

|                                                                              |                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                              | to 30 MHz                                                                                                                                                                                                                                  |
| 12/F01b                                                                      | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01                                                                       | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a                                                                      | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b                                                                      | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |
| 12/T01c                                                                      | 68.302 Environmental simulation (Par. a,b)                                                                                                                                                                                                 |
| <i>International Special Committee on Radio Interference (CISPR) Methods</i> |                                                                                                                                                                                                                                            |
| 12/CIS22                                                                     | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment                                                                                                              |

**NVLAP LAB CODE 100352-0**

**Auditory Systems Laboratory - Virginia Tech**

Virginia Polytechnic Institute and State University  
Blacksburg, VA 24061-0118  
Contact: Dr. John G. Casali  
Phone: 703-231-5073  
Fax: 703-231-3322

**Acoustical Testing Services**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
| 08/P26      | ANSI S3.19         |
| 08/P27      | ANSI S12.6         |

**NVLAP LAB CODE 100354-0**

**Control Data OSI Accredited Test Center**

4201 Lexington Avenue North  
Arden Hills, MN 55126-6198  
Contact: Mr. Ronald D. Swan  
Phone: 612-482-6257  
Fax: 612-482-2873  
E-Mail: Ronald.D.Swan@cdc.com

**GOSIP**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| <i>Code</i> | <i>Designation</i>                                         |
|-------------|------------------------------------------------------------|
| 17/G03      | ITU X.400-1984 MHS: P2/P1/RTS/(Session)                    |
| 17/G21      | ITU X.400-1988 MHS                                         |
| 17/G21a     | ITU X.400-1988 MHS: P2/P1/RTSE/ACSE/Presentation (Session) |

**NVLAP LAB CODE 100357-0**

**National Computing Centre Ltd.**

Oxford Road  
Manchester, M17ED  
UNITED KINGDOM  
Contact: Mrs. A. E. J. Pink  
Phone: +44 61 242-2257  
Fax: +44 61 236-9877  
E-Mail: jane@ncc.co.uk

**GOSIP**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i>                                                   |
|-------------|----------------------------------------------------------------------|
| 17/G01      | ISO/IEC 8571/8650/8823:<br>FTAM/ACSE/Presentation (Session)          |
| 17/G03      | ITU X.400-1984 MHS: P2/P1/RTS/(Session)                              |
| 17/G05      | ISO/IEC 8327: Session                                                |
| 17/G07      | ISO/IEC 8073: Transport Class 4                                      |
| 17/G09      | ISO/IEC 8073: Transport Class 2/Transport<br>Class 0                 |
| 17/G11      |                                                                      |
| 17/G11a     | ISO/IEC 8473: Connectionless Network<br>Protocol (CLNP)              |
| 17/G11b     | ISO/IEC 9542: End System-Intermediate<br>System (ES-IS)              |
| 17/G19      | ITU X.25: PLP/HDLC LAP B                                             |
| 17/G21      | ITU X.400-1988 MHS                                                   |
| 17/G21a     | ITU X.400-1988 MHS:<br>P2/P1/RTSE/ACSE/Presentation (Session)        |
| 17/G21b     | ITU X.400-1988 MHS: P3                                               |
| 17/G21c     | ITU X.400-1988 MHS: P3/ROSE                                          |
| 17/G21d     | ITU X.400-1988 MHS: P7                                               |
| 17/G21e     | ITU X.400-1988 MHS: P7/ROSE                                          |
| 17/G23      | ITU-T X.500-1988 DS: Directory<br>Services-Directory Access Protocol |

**NVLAP LAB CODE 100364-0**

**CDA, Inc., Open Systems Development Group**

8301 Greensboro Drive, #350  
McLean, VA 22102-3603  
Contact: Mr. Kevin P. Murray  
Phone: 703-821-1858  
Fax: 703-821-9859  
E-Mail: Kmurray@access.digex.net

**GOSIP**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i>                                          |
|-------------|-------------------------------------------------------------|
| 17/G01      | ISO/IEC 8571/8650/8823:<br>FTAM/ACSE/Presentation (Session) |
| 17/G03      | ITU X.400-1984 MHS: P2/P1/RTS/(Session)                     |
| 17/G07      | ISO/IEC 8073: Transport Class 4                             |
| 17/G09      | ISO/IEC 8073: Transport Class 2/Transport<br>Class 0        |
| 17/G11      |                                                             |
| 17/G11a     | ISO/IEC 8473: Connectionless Network<br>Protocol (CLNP)     |
| 17/G11b     | ISO/IEC 9542: End System-Intermediate<br>System (ES-IS)     |

|         |                                                               |
|---------|---------------------------------------------------------------|
| 17/G19  | ITU X.25: PLP/HDLC LAP B                                      |
| 17/G21  | ITU X.400-1988 MHS                                            |
| 17/G21a | ITU X.400-1988 MHS:<br>P2/P1/RTSE/ACSE/Presentation (Session) |

**NVLAP LAB CODE 100367-0**

**UNISYS-Systems Certification**

2476 Swedesford Road  
P.O. Box 203  
Paoli, PA 19301  
Contact: Mr. Carsten Gardan  
Phone: 610-993-6157  
Fax: 610-695-5399  
E-Mail: CARSTEN@OSIL.UNISYS.COM

**GOSIP**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i>                                          |
|-------------|-------------------------------------------------------------|
| 17/G01      | ISO/IEC 8571/8650/8823:<br>FTAM/ACSE/Presentation (Session) |
| 17/G03      | ITU X.400-1984 MHS: P2/P1/RTS/(Session)                     |
| 17/G07      | ISO/IEC 8073: Transport Class 4                             |
| 17/G09      | ISO/IEC 8073: Transport Class 2/Transport<br>Class 0        |
| 17/G11      |                                                             |
| 17/G11a     | ISO/IEC 8473: Connectionless Network<br>Protocol (CLNP)     |
| 17/G11b     | ISO/IEC 9542: End System-Intermediate<br>System (ES-IS)     |
| 17/G19      | ITU X.25: PLP/HDLC LAP B                                    |

**POSIX**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i>                                                                                                                                                                                                                                              |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17/P03      | National Institute of Standards and<br>Technology-POSIX Conformance Test Suite<br>(NIST-PCTS) for the Federal Info. Processing<br>Std. I51-2 (FIPS 151-2) "Portable Operating<br>System Interface (POSIX)-System Application<br>Program Interface [C Language]" |

**NVLAP LAB CODE 100374-0**

**Aearo Company, E-A-RCAL Acoustical  
Laboratory**

7911 Zionsville Road  
Indianapolis, IN 46268-1657  
Contact: Mr. Elliott H. Berger  
Phone: 317-692-3031  
Fax: 317-692-3116  
E-Mail: 73142.2143@compuserve.com

**Acoustical Testing Services**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
| 08/P26      | ANSI S3.19         |
| 08/P27      | ANSI S12.6         |

**NVLAP LAB CODE 100380-0****Digital Equipment Corporation**

9 Northeastern Boulevard  
Mail Stop NIO-B  
Salem, NH 03079-1994  
Contact: Mr. Steve Gilmette  
Phone: 508-467-7504  
Fax: 508-467-2846

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**NVLAP LAB CODE 100382-0****Eaton E3 Laboratory**

26201 Northwestern Highway  
P.O. Box 766  
Southfield, MI 48037-0766  
Contact: Mr. Kimball Williams  
Phone: 810-354-2845  
Fax: 810-208-2018  
E-Mail: kwilliams@jeec.org

**MIL-STD-462 Test Methods**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Conducted Emissions:**

|        |                         |
|--------|-------------------------|
| 12/A01 | MIL-STD-462 Method CE01 |
| 12/A04 | MIL-STD-462 Method CE02 |
| 12/A06 | MIL-STD-462 Method CE03 |
| 12/A08 | MIL-STD-462 Method CE04 |
| 12/A12 | MIL-STD-462 Method CE07 |

**Conducted Susceptibility:**

|        |                         |
|--------|-------------------------|
| 12/B01 | MIL-STD-462 Method CS01 |
| 12/B02 | MIL-STD-462 Method CS02 |
| 12/B05 | MIL-STD-462 Method CS06 |
| 12/B07 | MIL-STD-462 Method CS09 |

**Radiated Emissions:**

|        |                         |
|--------|-------------------------|
| 12/D01 | MIL-STD-462 Method RE01 |
| 12/D02 | MIL-STD-462 Method RE02 |

**Radiated Susceptibility:**

|        |                                                                                                                               |
|--------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/E01 | MIL-STD-462 Method RS01                                                                                                       |
| 12/E02 | MIL-STD-462 Method RS02                                                                                                       |
| 12/E03 | MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)                                                    |
| 12/E04 | MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available) |
| 12/E07 | MIL-STD-462 Method RS06                                                                                                       |

**NVLAP LAB CODE 100385-0****Open Systems Environment Testing Laboratory**

Bldg. 57305  
Ft. Huachuca, AZ 85613-7020  
Contact: Mr. Dwight L. Long  
Phone: 520-538-5459  
Fax: 520-538-5495  
E-Mail: longd@fhu.disa.mil

**GOSIP**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

|         |                                                                   |
|---------|-------------------------------------------------------------------|
| 17/G07  | ISO/IEC 8073: Transport Class 4                                   |
| 17/G09  | ISO/IEC 8073: Transport Class 2/Transport Class 0                 |
| 17/G11  |                                                                   |
| 17/G11a | ISO/IEC 8473: Connectionless Network Protocol (CLNP)              |
| 17/G11b | ISO/IEC 9542: End System-Intermediate System (ES-IS)              |
| 17/G21  | ITU X.400-1988 MHS                                                |
| 17/G21a | ITU X.400-1988 MHS: P2/P1/RTSE/ACSE/Presentation (Session)        |
| 17/G21d | ITU X.400-1988 MHS: P7                                            |
| 17/G23  | ITU-T X.500-1988 DS: Directory Services-Directory Access Protocol |

**NVLAP LAB CODE 100396-0****Intellistor Open Area Test Site**

1350 County Road #16  
P.O. Box 387  
Rollinsville, CO 80474  
Contact: Mr. R. Barry Wallen  
Phone: 303-682-6600  
Fax: 303-682-6672

**FCC Test Methods**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**International Special Committee on Radio Interference (CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

## NVLAP LAB CODE 100398-0

**GE Lighting- Technical Support**

NELA Park  
Cleveland, OH 44112  
Contact: Mr. Robert A. Schiele  
Phone: 216-266-9708  
Fax: 216-266-8361

**Energy Efficient Lighting Products**

Accreditation Valid Through: March 31, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Color Measurements**

|        |           |
|--------|-----------|
| 22/C01 | IES LM-58 |
|--------|-----------|

**Electrical Measurements**

|        |              |
|--------|--------------|
| 22/E01 | IES LM-9     |
| 22/E02 | IES LM-45    |
| 22/E04 | IES LM-66    |
| 22/E05 | ANSI-C78.375 |

**Life Tests**

|        |           |
|--------|-----------|
| 22/L01 | IES LM-40 |
| 22/L03 | IES LM-49 |
| 22/L04 | IES LM-65 |

**Photometric Measurements**

|         |                        |
|---------|------------------------|
| 22/P01a | IES LM-9 (Total Flux)  |
| 22/P01b | IES LM-9 (Intensity)   |
| 22/P02a | IES LM-20 (Total Flux) |
| 22/P02b | IES LM-20 (Intensity)  |
| 22/P03a | IES LM-45 (Total Flux) |
| 22/P03b | IES LM-45 (Intensity)  |
| 22/P05a | IES LM-66 (Total Flux) |
| 22/P05b | IES LM-66 (Intensity)  |

## NVLAP LAB CODE 100399-0

**Philips Lighting Corporate Calibration & Standards Laboratory**

Route 3, P.O. Box 505  
Fairmont, WV 26554-9484  
Contact: Mr. Ron Gibbons  
Phone: 304-367-7608  
Fax: 304-367-7602

**Energy Efficient Lighting Products**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Color Measurements**

|        |           |
|--------|-----------|
| 22/C01 | IES LM-58 |
|--------|-----------|

**Electrical Measurements**

|        |              |
|--------|--------------|
| 22/E01 | IES LM-9     |
| 22/E02 | IES LM-45    |
| 22/E04 | IES LM-66    |
| 22/E05 | ANSI-C78.375 |

**Photometric Measurements**

|         |                        |
|---------|------------------------|
| 22/P01a | IES LM-9 (Total Flux)  |
| 22/P02a | IES LM-20 (Total Flux) |
| 22/P03a | IES LM-45 (Total Flux) |
| 22/P05a | IES LM-66 (Total Flux) |

## NVLAP LAB CODE 100400-0

**Vanasse Hangen Brustlin, Inc.**

101 Walnut Street  
P.O. Box 9151  
Watertown, MA 02272-9151  
Contact: Mr. Dan Kosalski  
Phone: 860-632-1500  
Fax: 860-632-7879  
E-Mail: DKOSALSKI@VHB.COM

**Construction Materials Testing**

Accreditation Valid Through: June 30, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Road and Paving Materials**

|        |            |
|--------|------------|
| 02/M12 | ASTM D1559 |
| 02/M24 | ASTM D2041 |
| 02/M25 | ASTM D2726 |

**Standard Practices**

|        |            |
|--------|------------|
| 02/M26 | ASTM D3666 |
|--------|------------|

## NVLAP LAB CODE 100402-0

**Inchcape Testing Services NA, Inc.**

3933 U.S. Route 11  
Cortland, NY 13045-0950  
Contact: Mr. Craig Davenport  
Phone: 607-753-6711  
Fax: 607-756-9891  
E-Mail: cdavenport@inchqsw.attmail.com

**Thermal Insulation Materials**

Accreditation Valid Through: September 30, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Flammability**

|        |          |
|--------|----------|
| 01/F02 | ASTM E84 |
|--------|----------|

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T06 | ASTM C518 |
|--------|-----------|

**Energy Efficient Lighting Products**

Accreditation Valid Through: September 30, 1997

*NVLAP*

| Code | Designation |
|------|-------------|
|------|-------------|

**Color Measurements**

|        |           |
|--------|-----------|
| 22/C01 | IES LM-58 |
|--------|-----------|

**Electrical Measurements**

|        |              |
|--------|--------------|
| 22/E01 | IES LM-9     |
| 22/E02 | IES LM-45    |
| 22/E03 | IES LM-51    |
| 22/E04 | IES LM-66    |
| 22/E05 | ANSI-C78.375 |
| 22/E06 | ANSI-C78.386 |
| 22/E07 | ANSI-C78.387 |
| 22/E08 | ANSI-C78.388 |

**Life Tests**

|        |           |
|--------|-----------|
| 22/L03 | IES LM-49 |
|--------|-----------|

**Photometric Measurements**

|         |                        |
|---------|------------------------|
| 22/P01a | IES LM-9 (Total Flux)  |
| 22/P02a | IES LM-20 (Total Flux) |
| 22/P03a | IES LM-45 (Total Flux) |
| 22/P03b | IES LM-45 (Intensity)  |
| 22/P04a | IES LM-51 (Total Flux) |

22/P05a IES LM-66 (Total Flux)  
22/P05b IES LM-66 (Intensity)

**NVLAP LAB CODE 100403-0**
**Osram Sylvania Inc., Test & Measurements**
**Laboratory**

71 Cherry Hill Dr.  
Beverly, MA 01915  
Contact: Dr. Ronald O. Daubach  
Phone: 508-750-1593  
Fax: 508-750-1794  
E-Mail: daubach@rd.sylvania.com

**Energy Efficient Lighting Products**

Accreditation Valid Through: June 30, 1997

**NVLAP**

Code Designation

**Color Measurements**

22/C01 IES LM-58

**Electrical Measurements**

22/E01 IES LM-9  
22/E02 IES LM-45  
22/E03 IES LM-51  
22/E04 IES LM-66  
22/E05 ANSI-C78.375  
22/E06 ANSI-C78.386  
22/E07 ANSI-C78.387  
22/E08 ANSI-C78.388

**Life Tests**

22/L01 IES LM-40  
22/L02 IES LM-47  
22/L03 IES LM-49  
22/L04 IES LM-65

**Photometric Measurements**

22/P01a IES LM-9 (Total Flux)  
22/P01b IES LM-9 (Intensity)  
22/P02a IES LM-20 (Total Flux)  
22/P02b IES LM-20 (Intensity)  
22/P03a IES LM-45 (Total Flux)  
22/P03b IES LM-45 (Intensity)  
22/P04a IES LM-51 (Total Flux)  
22/P04b IES LM-51 (Intensity)  
22/P05a IES LM-66 (Total Flux)  
22/P05b IES LM-66 (Intensity)

**NVLAP LAB CODE 100404-0**
**Industrial Acoustics Company, Inc.,**
**Aero-Acoustics Laboratory**

1160 Commerce Avenue  
Bronx, NY 10462  
Contact: Mr. David A. Collings  
Phone: 718-931-8000  
Fax: 718-863-1138

**Acoustical Testing Services**

Accreditation Valid Through: June 30, 1997

**NVLAP**

Code Designation

08/P02 ASTM C384  
08/P03 ASTM C423  
08/P06 ASTM E90

08/P08 ASTM E596  
08/P30 ASTM E1408  
08/P36 ASTM E477

**NVLAP LAB CODE 100405-0**
**Motorola SSTG EMC/TEMPEST Laboratory**

8201 E. McDowell Road  
Scottsdale, AZ 85252  
Contact: Mr. Dwayne R. Awerkamp  
Phone: 602-441-3138  
Fax: 602-441-3625  
E-Mail: p09969@email.mot.com

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Conducted Emissions:**

12/A01 MIL-STD-462 Method CE01  
12/A04 MIL-STD-462 Method CE02  
12/A06 MIL-STD-462 Method CE03  
12/A08 MIL-STD-462 Method CE04  
12/A10 MIL-STD-462 Method CE06  
12/A12 MIL-STD-462 Method CE07

**Conducted Susceptibility:**

12/B01 MIL-STD-462 Method CS01  
12/B02 MIL-STD-462 Method CS02  
12/B04 MIL-STD-462 Method  
CS03/CS04/CS05/CS08  
12/B05 MIL-STD-462 Method CS06  
12/B06 MIL-STD-462 Method CS07  
12/B07 MIL-STD-462 Method CS09  
12/B08 MIL-STD-462 Method CS10  
12/B09 MIL-STD-462 Method CS11  
12/B10 MIL-STD-462 Method CS12  
12/B11 MIL-STD-462 Method CS13

**Radiated Emissions:**

12/D01 MIL-STD-462 Method RE01  
12/D02 MIL-STD-462 Method RE02  
12/D03 MIL-STD-462 Method RE03

**Radiated Susceptibility:**

12/E01 MIL-STD-462 Method RS01  
12/E02 MIL-STD-462 Method RS02  
12/E03 MIL-STD-462 Method RS03 (Consult  
laboratory for field strengths available)  
12/E04 MIL-STD-462 Method RS03 employing  
RADHAZ procedures for high level testing  
(Consult laboratory for field strengths  
available)  
12/E05 MIL-STD-462 Method RS05  
12/E07 MIL-STD-462 Method RS06

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz

12/F01b Radiated Emissions

## NVLAP LAB CODE 100406-0

**Inland Foundation Engineering, Inc.**

1310 South Santa Fe Avenue  
P.O. Box 937  
San Jacinto, CA 92581-0937  
Contact: Mr. Donald O. Swenson  
Phone: 909-654-1555  
Fax: 909-654-0551

**Construction Materials Testing**

Accreditation Valid Through: March 31, 1997

## NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

**Aggregates**

|        |            |
|--------|------------|
| 02/A03 | ASTM C29   |
| 02/A04 | ASTM C40   |
| 02/A06 | ASTM C88   |
| 02/A07 | ASTM C117  |
| 02/A09 | ASTM C127  |
| 02/A10 | ASTM C128  |
| 02/A11 | ASTM C131  |
| 02/A12 | ASTM C136  |
| 02/A15 | ASTM D75   |
| 02/A16 | ASTM D2419 |
| 02/A44 | ASTM C566  |
| 02/A46 | ASTM C535  |

**Concrete**

|        |                              |
|--------|------------------------------|
| 02/A01 | ASTM C39                     |
| 02/A02 | ASTM C617                    |
| 02/A41 | ASTM C192                    |
| 02/A43 | ASTM C1064                   |
| 02/A45 | ASTM C42                     |
| 02/G01 | ASTM C31/C172/C143/C138/C231 |
| 02/G02 | ASTM C173                    |

**Road and Paving Materials**

|        |            |
|--------|------------|
| 02/M08 | ASTM D979  |
| 02/M11 | ASTM D1188 |
| 02/M13 | ASTM D1560 |
| 02/M14 | ASTM D1561 |
| 02/M25 | ASTM D2726 |

**Soil and Rock**

|        |            |
|--------|------------|
| 02/L01 | ASTM D4220 |
| 02/L02 | ASTM D422  |
| 02/L04 | ASTM D698  |
| 02/L05 | ASTM D854  |
| 02/L06 | ASTM D1140 |
| 02/L07 | ASTM D1556 |
| 02/L08 | ASTM D1557 |
| 02/L18 | ASTM D3080 |
| 02/L20 | ASTM D4318 |
| 02/L23 | ASTM D2922 |
| 02/L25 | ASTM D3017 |
| 02/L47 | ASTM D2844 |

**Standard Practices**

|        |            |
|--------|------------|
| 02/A38 | ASTM E329  |
| 02/A39 | ASTM C1077 |
| 02/L32 | ASTM D3740 |
| 02/M26 | ASTM D3666 |

## NVLAP LAB CODE 100408-0

**NAWC AD 5.1.7.3. EMI Lab**

48256 Shaw Road, MS# 3, Bldg. 1461  
Patuxent River, MD 20670-5304  
Contact: Mr. Kenneth A. Brezinski  
Phone: 301-342-4161 x111  
Fax: 301-826-4781

**MIL-STD-462 Test Methods**

Accreditation Valid Through: March 31, 1997

## NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

**Conducted Emissions:**

|        |                         |
|--------|-------------------------|
| 12/A01 | MIL-STD-462 Method CE01 |
| 12/A04 | MIL-STD-462 Method CE02 |
| 12/A06 | MIL-STD-462 Method CE03 |
| 12/A08 | MIL-STD-462 Method CE04 |

**Conducted Susceptibility:**

|        |                         |
|--------|-------------------------|
| 12/B01 | MIL-STD-462 Method CS01 |
| 12/B02 | MIL-STD-462 Method CS02 |
| 12/B05 | MIL-STD-462 Method CS06 |

**Radiated Emissions:**

|        |                         |
|--------|-------------------------|
| 12/D01 | MIL-STD-462 Method RE01 |
| 12/D02 | MIL-STD-462 Method RE02 |

**Radiated Susceptibility:**

|        |                                                                                                                               |
|--------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/E01 | MIL-STD-462 Method RS01                                                                                                       |
| 12/E02 | MIL-STD-462 Method RS02                                                                                                       |
| 12/E03 | MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)                                                    |
| 12/E04 | MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available) |

## NVLAP LAB CODE 100409-0

**Inchcape Testing Services NA, Inc.**

4317-A Park Drive N.W.  
Norcross, GA 30093-2968  
Contact: Mr. Jeffrey W. Whitmire  
Phone: 770-925-2444  
Fax: 770-925-7294

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

## NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                                                                                                     |
|---------|-------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                 |
| 12/F01b | Radiated Emissions                                                                                                                  |
| 12/T01  | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                   |
| 12/T01a | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power |

|         |                                             |
|---------|---------------------------------------------|
|         | limit.; 68.310 Longitudinal balance limit.; |
|         | 68.312 On-hook impedance limit.; 68.314     |
|         | Billing protection                          |
| 12/T01b | 68.316 Hearing Aid Compatibility: technical |
|         | standards                                   |
| 12/T01c | 68.302 Environmental simulation (Par. a,b)  |

**NVLAP LAB CODE 100411-0**

**Northern Telecom Inc. (MCS)**

2305 Mission College Boulevard  
P.O. Box 58173  
Santa Clara, CA 95052-8173  
Contact: Mr. Kenneth Dorn  
Phone: 408-565-2186  
Fax: 408-565-2575  
E-Mail: ken.dorn@nt.com

**FCC Test Methods**

Accreditation Valid Through: March 31, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

|                                                              |                                                 |
|--------------------------------------------------------------|-------------------------------------------------|
| 12/F01                                                       | FCC Method - 47 CFR Part 15 - Digital           |
|                                                              | Devices                                         |
| 12/F01a                                                      | Conducted Emissions, Power Lines, 450 KHz       |
|                                                              | to 30 MHz                                       |
| 12/F01b                                                      | Radiated Emissions                              |
| 12/T01                                                       | Terminal Equipment Network Protection           |
|                                                              | Standards, FCC Method - 47 CFR Part 68 -        |
|                                                              | Analog and Digital                              |
| 12/T01a                                                      | 68.302 (Par. c,d,e,f) Environmental simulation; |
|                                                              | 68.304 Leakage current limit.; 68.306           |
|                                                              | Hazardous voltage limit.; 68.308 Signal power   |
|                                                              | limit.; 68.310 Longitudinal balance limit.;     |
|                                                              | 68.312 On-hook impedance limit.; 68.314         |
|                                                              | Billing protection                              |
| 12/T01b                                                      | 68.316 Hearing Aid Compatibility: technical     |
|                                                              | standards                                       |
| 12/T01c                                                      | 68.302 Environmental simulation (Par. a,b)      |
| <b>International Special Committee on Radio Interference</b> |                                                 |
| <b>(CISPR) Methods</b>                                       |                                                 |
| 12/CIS22                                                     | IEC/CISPR 22:1993: Limits and methods of        |
|                                                              | measurement of radio disturbance                |
|                                                              | characteristics of information technology       |
|                                                              | equipment                                       |

**NVLAP LAB CODE 100413-0**

**Digital Equipment Corporation, Marlboro E.M.C. Test Facilities**

200 Forest Street  
Marlboro, MA 01752  
Contact: Mr. Stephen Gilmette  
Phone: 508-467-7504  
Fax: 508-467-2846

**FCC Test Methods**

Accreditation Valid Through: March 31, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

|         |                                           |
|---------|-------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital     |
|         | Devices                                   |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz |
|         | to 30 MHz                                 |
| 12/F01b | Radiated Emissions                        |

**NVLAP LAB CODE 100414-0**

**Underwriters Laboratories Inc.**

333 Pfingsten Road  
Northbrook, IL 60062-2096  
Contact: Mr. J. R. Beyreis  
Phone: 847-272-8800  
Fax: 847-272-8129

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Corrosiveness**

|        |                    |
|--------|--------------------|
| 01/C01 | ASTM C739 (Sec. 9) |
| 01/C02 | 16 CFR-Part 1209.5 |

**Flammability**

|        |                     |
|--------|---------------------|
| 01/F02 | ASTM E84            |
| 01/F07 | 16 CFR-Part 1209.6  |
| 01/F08 | 16 CFR-Part 1209.7  |
| 01/F09 | ASTM C739 (Sec. 10) |
| 01/F10 | ASTM C739 (Sec. 14) |

**Mass, Density, and Dimensional Stability**

|        |                     |
|--------|---------------------|
| 01/D01 | ASTM C136           |
| 01/D14 | ASTM C520           |
| 01/D24 | ASTM C739 (Sec. 12) |
| 01/D26 | 16 CFR-Part 1209.4  |
| 01/D27 | ASTM C739 (Sec. 8)  |

**Related Material Properties**

|        |                     |
|--------|---------------------|
| 01/V05 | ASTM C739 (Sec. 11) |
| 01/V06 | ASTM C739 (Sec. 15) |

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T06 | ASTM C518 |
| 01/T09 | ASTM C653 |
| 01/T10 | ASTM C687 |

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

|         |                                           |
|---------|-------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital     |
|         | Devices                                   |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz |
|         | to 30 MHz                                 |
| 12/F01b | Radiated Emissions                        |

**International Special Committee on Radio Interference (CISPR) Methods**

|          |                                          |
|----------|------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of |
|          | measurement of radio disturbance         |

# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued

characteristics of information technology  
equipment

## NVLAP LAB CODE 100416-0

### SGS U.S. Testing Company, Inc.

1341 North 108th East Avenue  
Tulsa, OK 74116-5637  
Contact: Mr. Dale E. Holloway  
Phone: 918-437-8333  
Fax: 918-437-8487

### Thermal Insulation Materials

Accreditation Valid Through: December 31, 1997

#### NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

#### Corrosiveness

|        |                    |
|--------|--------------------|
| 01/C01 | ASTM C739 (Sec. 9) |
| 01/C02 | 16 CFR-Part 1209.5 |

#### Flammability

|        |                    |
|--------|--------------------|
| 01/F08 | 16 CFR-Part 1209.7 |
|--------|--------------------|

#### Mass, Density, and Dimensional Stability

|        |                     |
|--------|---------------------|
| 01/D02 | ASTM C167           |
| 01/D09 | ASTM C303           |
| 01/D18 | ASTM D1622          |
| 01/D24 | ASTM C739 (Sec. 12) |
| 01/D26 | 16 CFR-Part 1209.4  |
| 01/D27 | ASTM C739 (Sec. 8)  |

#### Related Material Properties

|        |                     |
|--------|---------------------|
| 01/V04 | ASTM E96            |
| 01/V05 | ASTM C739 (Sec. 11) |
| 01/V06 | ASTM C739 (Sec. 15) |

#### Strength

|        |           |
|--------|-----------|
| 01/S02 | ASTM C203 |
|--------|-----------|

### Commercial Products Testing

Accreditation Valid Through: December 31, 1997

#### NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

#### Plumbing

|        |                                                           |
|--------|-----------------------------------------------------------|
| 19/F01 | ASME A112.18.1M (Sec. 5.2)                                |
| 19/F02 | ASME A112.18.1M (Sec. 5.14)                               |
| 19/F03 | ASME A112.18.1M (Sec. 6.2)                                |
| 19/F04 | ASME A112.18.1M (Sec. 6.4)                                |
| 19/F05 | ASME A112.18.1M (Sec. 6.5)                                |
| 19/F06 | ASME A112.18.1M (Sec. 6.6)                                |
| 19/F07 | ASME A112.18.1M (Sec. 6.7)                                |
| 19/F08 | ASME A112.18.1M (Sec. 6.8)                                |
| 19/F09 | ASME A112.18.1M (Sec. 5.13)                               |
| 19/F10 | ASME A112.18.1M (Sec. 6.3)                                |
| 19/M01 | ANSI/CABO A117.1 (Sec. 4.24)                              |
| 19/M02 | ASME/ANSI A112.19.7M (Sec. 5, 7)                          |
| 19/M03 | ASME/ANSI A112.19.8M (Sec. 4, 5)                          |
| 19/M04 | ASTM F446                                                 |
| 19/M05 | ASTM F462                                                 |
| 19/P01 | ANSI Z124.1 (Sec. 4, 5, 6)                                |
| 19/P02 | ANSI Z124.2 (Sec. 4, 5, 6)                                |
| 19/P03 | ANSI Z124.3 (Sec. 4, 5, 6)                                |
| 19/P04 | ANSI Z124.4 (Sec. 4, 5)                                   |
| 19/P05 | ANSI Z124.4 (Sec. 2.11) per ASME<br>A112.19.6M (Sec. 7.1) |
| 19/P06 | ANSI/IAPMO Z124.6 (Sec. 4, 5, 6)                          |

|        |                               |
|--------|-------------------------------|
| 19/P07 | ANSI/IAPMO Z124.8 (Sec. 4, 5) |
| 19/V01 | ASME A112.19.2M (Sec. 7.1)    |
| 19/V02 | ASME A112.19.2M (Sec. 7.2)    |
| 19/V03 | ASME A112.19.2M (Sec. 7.3)    |
| 19/V04 | ASME A112.19.2M (Sec. 7.4)    |
| 19/V05 | ASME A112.19.2M (Sec. 7.5)    |
| 19/V06 | ASME A112.19.2M (Sec. 7.7)    |
| 19/W01 | ASME A112.19.6 (Sec. 7.1.2)   |
| 19/W02 | ASME A112.19.6 (Sec. 7.1.3)   |
| 19/W03 | ASME A112.19.6 (Sec. 7.1.4)   |
| 19/W04 | ASME A112.19.6 (Sec. 7.1.5)   |
| 19/W05 | ASME A112.19.6 (Sec. 7.1.6)   |
| 19/W06 | ASME A112.19.6 (Sec. 7.1.7)   |
| 19/W07 | ASME A112.19.6 (Sec. 7.1.8)   |
| 19/W08 | ASME A112.19.6 (Sec. 7.1.9)   |

## NVLAP LAB CODE 100417-0

### Center For Applied Engineering, Inc.

10301 9th Street North  
St. Petersburg, FL 33716  
Contact: Dr. Stanley R. Prince  
Phone: 813-578-4359  
Fax: 813-578-4280

### Acoustical Testing Services

Accreditation Valid Through: December 31, 1997

#### NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

|        |                          |
|--------|--------------------------|
| 08/P02 | ASTM C384                |
| 08/P03 | ASTM C423                |
| 08/P04 | ASTMC522                 |
| 08/P06 | ASTM E90                 |
| 08/P07 | ASTM E492                |
| 08/P30 | ASTM E1408               |
| 08/P34 | ASTM E1414 (AMA-1-11-67) |

### Thermal Insulation Materials

Accreditation Valid Through: December 31, 1997

#### NVLAP

| Code | Designation |
|------|-------------|
|------|-------------|

#### Flammability

|        |          |
|--------|----------|
| 01/F02 | ASTM E84 |
|--------|----------|

#### Mass, Density, and Dimensional Stability

|        |                                         |
|--------|-----------------------------------------|
| 01/D03 | ASTM C209 (Sec. 6)                      |
| 01/D04 | ASTM C209 (Sec. 13)                     |
| 01/D05 | ASTM C209 (S. 13) by D1037 (S. 100-106) |
| 01/D06 | ASTM C209 (S. 14) by D1037 (S. 107-110) |
| 01/D07 | ASTM C272                               |
| 01/D18 | ASTM D1622                              |
| 01/D19 | ASTM D2126                              |
| 01/D23 | ASTM D2842                              |

#### Related Material Properties

|        |          |
|--------|----------|
| 01/V04 | ASTM E96 |
|--------|----------|

#### Strength

|         |                          |
|---------|--------------------------|
| 01/S01a | ASTM C165 (Proc. A only) |
| 01/S02  | ASTM C203                |
| 01/S03  | ASTM C209 (Sec. 9)       |
| 01/S04  | ASTM C209 (Sec. 10)      |
| 01/S05  | ASTM C209 (Sec. 11)      |
| 01/S06  | ASTM C209 (Sec. 12)      |
| 01/S07  | ASTM C273                |

|                           |                      |
|---------------------------|----------------------|
| 01/S10                    | ASTM D828            |
| 01/S11                    | ASTM D1621 (Proc. A) |
| <b>Thermal Resistance</b> |                      |
| 01/T01                    | ASTM C177            |
| 01/T04                    | ASTM C236            |
| 01/T06                    | ASTM C518            |

**Commercial Products Testing**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Paints and Related Coatings and Materials**

|        |                     |
|--------|---------------------|
| 09/A02 | ASTM D93 (Method A) |
| 09/A07 | ASTM D523           |
| 09/A10 | ASTM D1186          |
| 09/A16 | ASTM D1400          |
| 09/A17 | ASTM D1475          |
| 09/A22 | ASTM D3363          |
| 09/B05 | ASTM D4214          |
| 09/B24 | ASTM D522           |
| 09/B29 | ASTM D2486          |
| 09/B31 | ASTM D2805          |
| 09/B37 | ASTM D4060          |
| 09/B43 | ASTM D3359          |
| 09/B44 | ASTM D4828          |
| 09/C26 | ASTM D2369          |
| 09/C28 | ASTM D2697          |
| 09/C38 | ASTM D3792          |
| 09/C39 | ASTM D3960          |
| 09/C40 | ASTM D4017          |
| 09/C41 | ASTM D4457          |
| 09/D01 | ASTM B117           |
| 09/D16 | ASTM G53            |

**NVLAP LAB CODE 100418-0**

**National Particleboard Association**

18928 Premiere Court  
Gaithersburg, MD 20879-1569  
Contact: Mr. Gary Heroux  
Phone: 301-670-0604  
Fax: 301-840-1252

**Wood Based Products**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**General Wood Products**

|        |                                 |
|--------|---------------------------------|
| 23/G02 | ASTM D1037 (Part A, Sec. 11-20) |
| 23/G03 | ASTM D1037 (Part A, Sec. 28-33) |

**Particleboard and Medium-Density Fiberboard**

|        |                                   |
|--------|-----------------------------------|
| 23/P02 | ASTM D1037 (Part A, Sec. 61-67)   |
| 23/P03 | ASTM D1037 (Part A, Sec. 68-73)   |
| 23/P05 | ASTM D1037 (Part A, Sec. 100-106) |
| 23/P06 | ASTM D1037 (Part A, Sec. 107-110) |
| 23/P08 | ASTM D1037 (Part A, Sec. 126-127) |
| 23/P09 | ANSI/A208.1 (Sec. 3.4.4)          |
| 23/T01 | ASTM E1333                        |
| 23/T02 | FTM 1-83                          |
| 23/T03 | EN 120:92                         |

**NVLAP LAB CODE 100419-0**

**Test Site Services, Inc.**

P.O. Box 766  
Marlboro, MA 01752  
Contact: Mr. Richard L. Wiedeman  
Phone: 508-481-1684  
Fax: 508-481-1684

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

|        |         |
|--------|---------|
| 12/T51 | AS-3548 |
|--------|---------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**International Special Committee on Radio Interference (CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

**NVLAP LAB CODE 100420-0**

**Timberco, Inc.- dba TECO**

86305 College View Road  
Eugene, OR 97405-9631  
Contact: Mr. Darin Thompson  
Phone: 541-746-8271  
Fax: 541-747-1630

**Wood Based Products**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**General Wood Products**

|        |                                 |
|--------|---------------------------------|
| 23/G01 | ASTM D906                       |
| 23/G02 | ASTM D1037 (Part A, Sec. 11-20) |
| 23/G03 | ASTM D1037 (Part A, Sec. 28-33) |
| 23/G04 | ASTM D2395 (Method A)           |
| 23/G07 | ASTM D3043 (Method C)           |
| 23/G08 | ASTM D4442 (Method A)           |
| 23/G09 | ASTM D4442 (Method B)           |
| 23/G10 | ASTM E72                        |
| 23/G11 | ASTM E72 (Wet)                  |
| 23/G12 | ASTM E564                       |

**Hardwood Plywood**

|        |                 |
|--------|-----------------|
| 23/H01 | HP-1 (Sec. 4.3) |
| 23/H02 | HP-1 (Sec. 4.4) |
| 23/H03 | HP-1 (Sec. 4.6) |
| 23/H04 | ASTM E96        |

**Particleboard and Medium-Density Fiberboard**

|        |                                 |
|--------|---------------------------------|
| 23/P01 | ASTM D1037 (Part A, Sec. 21-27) |
|--------|---------------------------------|

# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued

|        |                                   |
|--------|-----------------------------------|
| 23/P02 | ASTM D1037 (Part A, Sec. 61-67)   |
| 23/P03 | ASTM D1037 (Part A, Sec. 68-73)   |
| 23/P05 | ASTM D1037 (Part A, Sec. 100-106) |
| 23/P06 | ASTM D1037 (Part A, Sec. 107-110) |
| 23/P07 | ASTM D1037 (Part A, Sec. 118-124) |
| 23/P08 | ASTM D1037 (Part A, Sec. 126-127) |
| 23/P09 | ANSI/A208.1 (Sec. 3.4.4)          |
| 23/T01 | ASTM E1333                        |
| 23/T02 | FTM 1-83                          |

## **Structural Composite Lumber, Glulam, I-Joists, Laminated Veneer Lumber**

|        |                                         |
|--------|-----------------------------------------|
| 23/J01 | ASTM D143 (Sec. 47-54)                  |
| 23/J02 | ASTM D143 (Sec. 90-94)                  |
| 23/J04 | ASTM D198 (Sec. 4-11)                   |
| 23/J06 | ASTM D905                               |
| 23/J07 | ASTM D1037 (Part A, Sec. 87-90)         |
| 23/J08 | ASTM D1101                              |
| 23/J09 | ASTM D1761 (Sec. 1-11)                  |
| 23/J10 | ASTM D2559 (Resistance to Shear)        |
| 23/J11 | ASTM D2559 (Resistance to Delamination) |
| 23/J12 | ASTM D4688                              |
| 23/J13 | AITC 200 (T106)                         |
| 23/J14 | AITC 200 (T107)                         |
| 23/J15 | AITC 200 (T110)                         |
| 23/J16 | AITC 200 (T114)                         |
| 23/J17 | AITC 200 (T116)                         |
| 23/J20 | ASTM D3110                              |

## **Structural Use Panels**

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| 23/S04 | ASTM E661                                                       |
| 23/S05 | PS-1 (Sec. 4.5.2)                                               |
| 23/S06 | PS-1 (Sec. 4.5.3) (CAN/CSA-0325.1-88)                           |
| 23/S07 | PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)                           |
| 23/S08 | PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)                           |
| 23/S09 | PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)                           |
| 23/S10 | PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)                           |
| 23/S11 | PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)                           |
| 23/S12 | PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)                           |
| 23/S13 | PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)                          |
| 23/S14 | PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)                          |
| 23/S15 | PS-2 (Sec. 6.4.19) (Supplement No.1-92 to<br>CAN/CSA-0325.1-88) |
| 23/S16 | PS-2 (Sec. 6.4.20) (Supplement No.1-92 to<br>CAN/CSA-0325.1-88) |

## **NVLAP LAB CODE 100421-0**

### **PFS Corporation**

2402 Daniels Street  
Madison, WI 53704-6798  
Contact: Mr. James P. VanSchoyck  
Phone: 608-221-3361  
Fax: 608-223-5560

### **Wood Based Products**

Accreditation Valid Through: December 31, 1997

#### **NVLAP**

Code      Designation

#### **General Wood Products**

|        |                                 |
|--------|---------------------------------|
| 23/G01 | ASTM D906                       |
| 23/G02 | ASTM D1037 (Part A, Sec. 11-20) |
| 23/G03 | ASTM D1037 (Part A, Sec. 28-33) |

|        |                       |
|--------|-----------------------|
| 23/G04 | ASTM D2395 (Method A) |
| 23/G05 | ASTM D2718            |
| 23/G08 | ASTM D4442 (Method A) |
| 23/G09 | ASTM D4442 (Method B) |
| 23/G10 | ASTM E72              |
| 23/G11 | ASTM E72 (Wet)        |
| 23/G12 | ASTM E564             |
| 23/G13 | ASTM E695             |
| 23/G14 | AFG-01-84 (Sec. 3.1)  |
| 23/G15 | AFG-01-84 (Sec. 3.2)  |
| 23/G16 | ASTM E489             |
| 23/G17 | ASTM E767             |

#### **Hardwood Plywood**

|        |                 |
|--------|-----------------|
| 23/H01 | HP-1 (Sec. 4.3) |
| 23/H02 | HP-1 (Sec. 4.4) |
| 23/H03 | HP-1 (Sec. 4.6) |
| 23/H04 | ASTM E96        |

#### **Particleboard and Medium-Density Fiberboard**

|        |                                   |
|--------|-----------------------------------|
| 23/P01 | ASTM D1037 (Part A, Sec. 21-27)   |
| 23/P02 | ASTM D1037 (Part A, Sec. 61-67)   |
| 23/P03 | ASTM D1037 (Part A, Sec. 68-73)   |
| 23/P04 | ASTM D1037 (Part A, Sec. 81-86)   |
| 23/P05 | ASTM D1037 (Part A, Sec. 100-106) |
| 23/P06 | ASTM D1037 (Part A, Sec. 107-110) |
| 23/P07 | ASTM D1037 (Part A, Sec. 118-124) |
| 23/P08 | ASTM D1037 (Part A, Sec. 126-127) |
| 23/P09 | ANSI/A208.1 (Sec. 3.4.4)          |
| 23/T01 | ASTM E1333                        |
| 23/T02 | FTM 1-83                          |

#### **Sandwich Constructions**

|        |                      |
|--------|----------------------|
| 23/X01 | ASTM C273            |
| 23/X02 | ASTM C297            |
| 23/X03 | ASTM C365 (Method A) |
| 23/X04 | ASTM C393            |
| 23/X05 | ASTM C480            |
| 23/X06 | ASTM C481            |
| 23/X07 | ASTM D1183           |

#### **Structural Composite Lumber, Glulam, I-Joists,**

#### **Laminated Veneer Lumber**

|        |                                         |
|--------|-----------------------------------------|
| 23/J01 | ASTM D143 (Sec. 47-54)                  |
| 23/J02 | ASTM D143 (Sec. 90-94)                  |
| 23/J03 | ASTM D143 (Sec. 100-104)                |
| 23/J04 | ASTM D198 (Sec. 4-11)                   |
| 23/J06 | ASTM D905                               |
| 23/J07 | ASTM D1037 (Part A, Sec. 87-90)         |
| 23/J08 | ASTM D1101                              |
| 23/J09 | ASTM D1761 (Sec. 1-11)                  |
| 23/J10 | ASTM D2559 (Resistance to Shear)        |
| 23/J11 | ASTM D2559 (Resistance to Delamination) |
| 23/J12 | ASTM D4688                              |
| 23/J13 | AITC 200 (T106)                         |
| 23/J14 | AITC 200 (T107)                         |
| 23/J15 | AITC 200 (T110)                         |
| 23/J16 | AITC 200 (T114)                         |
| 23/J17 | AITC 200 (T116)                         |

#### **Structural Use Panels**

|        |                                       |
|--------|---------------------------------------|
| 23/S01 | ASTM D3044                            |
| 23/S03 | ASTM D3501 (Method B)                 |
| 23/S04 | ASTM E661                             |
| 23/S05 | PS-1 (Sec. 4.5.2)                     |
| 23/S06 | PS-1 (Sec. 4.5.3) (CAN/CSA-0325.1-88) |

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| 23/S07 | PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)                           |
| 23/S08 | PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)                           |
| 23/S09 | PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)                           |
| 23/S10 | PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)                           |
| 23/S11 | PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)                           |
| 23/S12 | PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)                           |
| 23/S13 | PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)                          |
| 23/S14 | PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)                          |
| 23/S15 | PS-2 (Sec. 6.4.19) (Supplement No.1-92 to<br>CAN/CSA-0325.1-88) |
| 23/S16 | PS-2 (Sec. 6.4.20) (Supplement No.1-92 to<br>CAN/CSA-0325.1-88) |

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**NVLAP LAB CODE 100422-0**


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**PRIMES (Preflight Integration of Munitions & Electronic Systems)**

46 TW/TSWW  
401 W. Choctawhatchee Ave, Suite 265  
Eglin Air Force Base, FL 32542-5724  
Contact: Ms. Kathy S. Render  
Phone: 904-882-9354  
Fax: 904-882-9357  
E-Mail: render@eglin.af.mil

**MIL-STD-462 Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Conducted Emissions:**

|        |                         |
|--------|-------------------------|
| 12/A01 | MIL-STD-462 Method CE01 |
| 12/A04 | MIL-STD-462 Method CE02 |
| 12/A06 | MIL-STD-462 Method CE03 |
| 12/A08 | MIL-STD-462 Method CE04 |
| 12/A10 | MIL-STD-462 Method CE06 |
| 12/A12 | MIL-STD-462 Method CE07 |

**Conducted Susceptibility:**

|        |                                           |
|--------|-------------------------------------------|
| 12/B01 | MIL-STD-462 Method CS01                   |
| 12/B02 | MIL-STD-462 Method CS02                   |
| 12/B04 | MIL-STD-462 Method<br>CS03/CS04/CS05/CS08 |
| 12/B05 | MIL-STD-462 Method CS06                   |
| 12/B06 | MIL-STD-462 Method CS07                   |
| 12/B07 | MIL-STD-462 Method CS09                   |
| 12/B08 | MIL-STD-462 Method CS10                   |
| 12/B09 | MIL-STD-462 Method CS11                   |
| 12/B10 | MIL-STD-462 Method CS12                   |
| 12/B11 | MIL-STD-462 Method CS13                   |

**Radiated Emissions:**

|        |                         |
|--------|-------------------------|
| 12/D01 | MIL-STD-462 Method RE01 |
| 12/D02 | MIL-STD-462 Method RE02 |
| 12/D03 | MIL-STD-462 Method RE03 |

**Radiated Susceptibility:**

|        |                                                                                                                                        |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|
| 12/E01 | MIL-STD-462 Method RS01                                                                                                                |
| 12/E02 | MIL-STD-462 Method RS02                                                                                                                |
| 12/E03 | MIL-STD-462 Method RS03 (Consult<br>laboratory for field strengths available)                                                          |
| 12/E04 | MIL-STD-462 Method RS03 employing<br>RADHAZ procedures for high level testing<br>(Consult laboratory for field strengths<br>available) |
| 12/E05 | MIL-STD-462 Method RS05                                                                                                                |

|        |                         |
|--------|-------------------------|
| 12/E07 | MIL-STD-462 Method RS06 |
|--------|-------------------------|

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**NVLAP LAB CODE 100423-0**


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**APA - The Engineered Wood Association  
Research Center**

7011 South 19th Street  
P.O. Box 11700  
Tacoma, WA 98411-0700  
Contact: Mr. Michael R. O'Halloran  
Phone: 206-565-6600  
Fax: 206-565-7265  
E-Mail: mike.ohalloran@apawood.org

**Wood Based Products**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**General Wood Products**

|        |                       |
|--------|-----------------------|
| 23/G05 | ASTM D2718            |
| 23/G06 | ASTM D2719 (Method C) |
| 23/G07 | ASTM D3043 (Method C) |
| 23/G10 | ASTM E72              |
| 23/G11 | ASTM E72 (Wet)        |

**Structural Composite Lumber, Glulam, I-Joists,**
**Laminated Veneer Lumber**

|        |                                         |
|--------|-----------------------------------------|
| 23/J04 | ASTM D198 (Sec. 4-11)                   |
| 23/J05 | ASTM D198 (Sec. 28-35)                  |
| 23/J09 | ASTM D1761 (Sec. 1-11)                  |
| 23/J10 | ASTM D2559 (Resistance to Shear)        |
| 23/J11 | ASTM D2559 (Resistance to Delamination) |
| 23/J12 | ASTM D4688                              |

**Structural Use Panels**

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| 23/S01 | ASTM D3044                                                      |
| 23/S02 | ASTM D3500 (Method B)                                           |
| 23/S03 | ASTM D3501 (Method B)                                           |
| 23/S04 | ASTM E661                                                       |
| 23/S07 | PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)                           |
| 23/S08 | PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)                           |
| 23/S09 | PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)                           |
| 23/S10 | PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)                           |
| 23/S11 | PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)                           |
| 23/S12 | PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)                           |
| 23/S13 | PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)                          |
| 23/S14 | PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)                          |
| 23/S15 | PS-2 (Sec. 6.4.19) (Supplement No.1-92 to<br>CAN/CSA-0325.1-88) |
| 23/S16 | PS-2 (Sec. 6.4.20) (Supplement No.1-92 to<br>CAN/CSA-0325.1-88) |

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**NVLAP LAB CODE 100424-0**


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**Vibro-Acoustics Laboratory**

727 Tapscott Road  
Scarborough Ontario M1X 1A2  
CANADA  
Contact: Mr. Robert Gault  
Phone: 416-291-7371  
Fax: 416-291-8049

**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued****Acoustical Testing Services**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code   | Designation |
|--------|-------------|
| 08/P36 | ASTM E477   |

**NVLAP LAB CODE 100425-0****Schuller International, Inc., Mountain Technical Center**

10100 West Ute Avenue  
P.O. Box 625005  
Littleton, CO 80162-5005  
Contact: Mr. Mark A. Albers  
Phone: 303-978-5008  
Fax: 303-978-3123  
E-Mail: albersm@schuller.com

**Acoustical Testing Services**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| Code   | Designation            |
|--------|------------------------|
| 08/P03 | ASTM C423              |
| 08/P04 | ASTMC522               |
| 08/P06 | ASTM E90               |
| 08/P10 | ANSI S12.31 (ISO 3741) |
| 08/P13 | ANSI S12.32 (ISO 3742) |
| 08/P24 | ANSI S12.10 (ISO 7779) |
| 08/P35 | ASTM E1050             |

**Thermal Insulation Materials**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Flammability**

|        |               |
|--------|---------------|
| 01/F01 | TAPPI T461-OM |
| 01/F02 | ASTM E84      |
| 01/F05 | ASTM E136     |

**Mass, Density, and Dimensional Stability**

|        |                                         |
|--------|-----------------------------------------|
| 01/D02 | ASTM C167                               |
| 01/D03 | ASTM C209 (Sec. 6)                      |
| 01/D04 | ASTM C209 (Sec. 13)                     |
| 01/D05 | ASTM C209 (S. 13) by D1037 (S. 100-106) |
| 01/D06 | ASTM C209 (S. 14) by D1037 (S. 107-110) |
| 01/D07 | ASTM C272                               |
| 01/D08 | ASTM C302                               |
| 01/D09 | ASTM C303                               |
| 01/D11 | ASTM C356                               |
| 01/D12 | ASTM C411                               |
| 01/D13 | ASTM C519                               |

**Related Material Properties**

|        |                   |
|--------|-------------------|
| 01/V07 | ASTM C1104/C1104M |
|--------|-------------------|

**Strength**

|         |                          |
|---------|--------------------------|
| 01/S01a | ASTM C165 (Proc. A only) |
| 01/S02  | ASTM C203                |
| 01/S03  | ASTM C209 (Sec. 9)       |
| 01/S04  | ASTM C209 (Sec. 10)      |
| 01/S05  | ASTM C209 (Sec. 11)      |
| 01/S06  | ASTM C209 (Sec. 12)      |
| 01/S08  | ASTM C446                |
| 01/S10  | ASTM D828                |

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T01 | ASTM C177 |
| 01/T05 | ASTM C335 |
| 01/T06 | ASTM C518 |
| 01/T10 | ASTM C687 |
| 01/T11 | ASTM C976 |

**NVLAP LAB CODE 100426-0****International Compliance Corporation**

802 N. Kealy  
Lewisville, TX 75057-3136  
Contact: Mr. Kurt B. Fischer  
Phone: 972-436-9600  
Fax: 972-436-2667  
E-Mail: kfischer@icomply.com

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code | Designation |
|------|-------------|
|------|-------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**International Special Committee on Radio Interference****(CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

**NVLAP LAB CODE 100427-0****Michael & Associates**

246 Woodland Drive  
State College, PA 16803  
Contact: Mr. Kevin Michael  
Phone: 814-234-7042  
Fax: 814-235-1381  
E-Mail: Michael1@vicon.net

**Acoustical Testing Services**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| Code   | Designation |
|--------|-------------|
| 08/P26 | ANSI S3.19  |
| 08/P27 | ANSI S12.6  |

**NVLAP LAB CODE 100428-0****Matsushita EMC Center**

Yunitopia Sasayama, Yashiro  
Sasayama-cho  
Taki-gun, Hyogo 669-23  
JAPAN  
Contact: Mr. Katsuo Ishihara  
Phone: 81-795-52-5681  
Fax: 81-795-52-5682  
E-Mail: PAN02796@pas.mci.co.jp

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference (CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**NVLAP LAB CODE 100429-0**

**Queen Carpet Test Laboratory**

2305 Lakeland Road, P.O. Box 1527  
Dalton, GA 30722-1527  
Contact: Mr. Brian Medlin  
Phone: 706-277-1900  
Fax: 706-277-5497

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Tests Applicable to Carpet and Carpet Cushion**

- 03/T01 AATCC 16 (Option E)  
03/T02 ASTM D2646 (Secs. 16-24)  
03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

- 03/G04 AATCC 165  
03/G05 ASTM D418 (Sec. 8)  
03/G06 ASTM D418 (Sec. 9)  
03/G07 ASTM D418 (Secs. 10-11)  
03/G08 ASTM D418 (Sec. 13)  
03/G09 ASTM D1335  
03/G10 ASTM D3936  
03/G12 ASTM E648  
03/G13 ASTM E662

**NVLAP LAB CODE 100430-0**

**Professional Service Industries, Inc., Pittsburgh Test. Lab. Div.**

545 Conger Street  
Eugene, OR 97402  
Contact: Mr. Randy T. Webb  
Phone: 541-484-9212  
Fax: 541-344-2735

**Wood Based Products**

Accreditation Valid Through: March 31, 1997

*NVLAP*

*Code Designation*

**General Wood Products**

- 23/G02 ASTM D1037 (Part A, Sec. 11-20)

- 23/G03 ASTM D1037 (Part A, Sec. 28-33)  
23/G07 ASTM D3043 (Method C)  
23/G08 ASTM D4442 (Method A)  
23/G10 ASTM E72  
23/G11 ASTM E72 (Wet)

**Particleboard and Medium-Density Fiberboard**

- 23/P05 ASTM D1037 (Part A, Sec. 100-106)  
23/P06 ASTM D1037 (Part A, Sec. 107-110)  
23/T01 ASTM E1333  
23/T02 FTM 1-83

**Structural Use Panels**

- 23/S04 ASTM E661  
23/S05 PS-1 (Sec. 4.5.2)  
23/S06 PS-1 (Sec. 4.5.3) (CAN/CSA-0325.1-88)  
23/S07 PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)  
23/S08 PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)  
23/S09 PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)  
23/S10 PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)  
23/S11 PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)  
23/S12 PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)  
23/S13 PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)  
23/S14 PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)  
23/S15 PS-2 (Sec. 6.4.19) (Supplement No. 1-92 to CAN/CSA-0325.1-88)  
23/S16 PS-2 (Sec. 6.4.20) (Supplement No. 1-92 to CAN/CSA-0325.1-88)

**NVLAP LAB CODE 100431-0**

**PCTEST Engineering Laboratory, Inc.**

6660-B Dobbin Road  
Columbia, MD 21045-4708  
Contact: Mr. Randy Ortanez  
Phone: 410-290-6652  
Fax: 410-290-6654  
E-Mail: randy@pctestlab.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

- 12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100432-0

**InfoGard Laboratories**

1308 Broad Street, Suite 74  
San Luis Obispo, CA 93401  
Contact: Mr. Les Biggs  
Phone: 805-466-2518  
Fax: 805-466-3228  
E-Mail: 73141.2610@compuserve.com

**Cryptographic Modules Testing**

Accreditation Valid Through: June 30, 1997

*NVLAP*

*Code Designation*

- 17/C01 NIST-CSTT:140-1; National Institute of Standards and Technology-Cryptographic Support Test Tool (CSTT) for the Federal Information Processing Standard 140-1 (FIPS 140-1) "Security Requirements for Cryptographic Modules."
- 17/C01a Test Method Group 1: All test methods derived from FIPS 140-1 and specified in the CSTT, except those listed in Group 2 and Group 3.
- 17/C01b Test Method Group 2: Test methods for Physical Security, Level 4 derived from FIPS 140-1 and specified in the CSTT
- 17/C01c Test Method Group 3: Test methods for Software Security, Level 4 derived from FIPS 140-1 and specified in the CSTT

NVLAP LAB CODE 100501-0

**Baltimore Gas & Electric Company**

1650 Calvert Cliffs Parkway  
Lusby, MD 20657-4702  
Contact: Mr. Danny R. Adams  
Phone: 410-495-2216  
Fax: 410-495-2263

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802 in a Panasonic UD874A holder for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VB, VC, VI, VII, VIII.

NVLAP LAB CODE 100502-0

**Union Electric Company, Callaway Plant**

P.O. Box 620  
Fulton, MO 65251-0620  
Contact: Mr. Mike Evans  
Phone: 314-676-8258  
Fax: 314-676-4476

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD-802-AS in a Panasonic UD-874A holder for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 100503-0

**Mallinckrodt Group, Inc.**

2703 Wagner Place  
Maryland Heights, MO 63043  
Contact: Mr. Roger Moroney  
Phone: 314-770-7457  
Fax: 314-770-7998  
E-Mail: wrmoroe@mkg.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Harshaw automatic readers model 6600E, 2000D and 2000B Picoammeter.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Harshaw TLD model 100 for ANSI-N13.11 categories IV, VA, and VII.

Harshaw TLD model 8825 for ANSI-N13.11 categories II, IIIB, IV, VC, VI, VII.

NVLAP LAB CODE 100504-0

**Naval Dosimetry Center**

National Naval Medical Center  
Bethesda, MD 20889-5614  
Contact: CAPT K. Mendenhall  
Phone: 301-295-0142  
Fax: 301-295-5981  
E-Mail: ehbokgm@bumed30.med.navy.mil

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Harshaw automatic reader model 8800.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

DT 648/PD (Harshaw 4 Chip Card, 3 TLD700, 1 TLD600) in a Type 88 holder for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VI, VII, VIII.

NVLAP LAB CODE 100505-0

**Duke Power Company Dosimetry Laboratory**

526 South Church Street  
P.O. Box 1006  
Charlotte, NC 28201-1006  
Contact: Mr. Donald N. Mei  
Phone: 704-382-7547  
Fax: 704-382-4477

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Model 8800.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD card Type 8801 in a model 8814 BGN holder for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 100506-0

**Southern California Edison**

San Onofre Nuclear Generating Station  
5000 Pacific Coast Highway, P.O. Box 128  
San Clemente, CA 92674-0128  
Contact: Mr. James Rolph  
Phone: 714-368-7050  
Fax: 714-368-6049  
E-Mail: rolphjt@songs.sce.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802-AS2 in an ISA model 821 holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII.

NVLAP LAB CODE 100510-0

**GPU Nuclear Corp. Nuclear Services Division**

Three Mile Island, Route 441 South  
P.O. Box 480  
Middletown, PA 17057-0480  
Contact: Mr. J. M. Harworth  
Phone: 717-948-8337  
Fax: 717-948-8549  
E-Mail: jharworth@gpu.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD-710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS2 in an ISA model 830 hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII.

Panasonic TLD model UD802-AS2N in an ISA model 830 hanger with Cd over elements 1 and 2, Pb filtration over element 4 for ANSI-N13.11 categories IV, VIII.

## NVLAP LAB CODE 100512-0

**Radiation Detection Company**

162 N. Wolfe Road  
P.O. Box 3414  
Sunnyvale, CA 94088-3414  
Contact: Mr. Richard H. Holden  
Phone: 408-735-8700  
Fax: 408-735-0126

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) Teledyne 7300 and 310 reader; (2) Harshaw 3000A and 3500 reader; (3) Victoreen 2800 reader; (4) by manual film processing and reading on a Macbeth TD932 densitometer; or (5) Tractech, NTA manual optical readers.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

| DESIGNATION                          | PROCESS  | ANSI-N13.11<br>CATEGORIES             |
|--------------------------------------|----------|---------------------------------------|
| Hi Energy TLD-100<br>powder          | 1*       | II, IV                                |
| Lo Energy TLD-100<br>powder & chips  | 1*       | I, IIIA, VI                           |
| TLD Albedo                           | 2 or 3,4 | VIII                                  |
| Film XBG                             | 4        | I, II, IIIA, IIIB, IV,<br>VA, VI, VII |
| Film XBGN                            | 4,5      | VIII                                  |
| Neutron Tractech<br>CR-39            | 5        | VIII                                  |
| Beta/gamma<br>Albedo TLD             | 2,3      | II, IV, VA, VII                       |
| TLD-Beta/gamma-100<br>powder & chips | 1,2 or 3 | VA                                    |

\* Processes listed above, 2 and 3, are considered functionally acceptable as substitutes which can be used in lieu of process 1 as listed above.

Extremity Finger Ring Type 05 Harshaw TLD-100 dosimeter for ANSI HPS N13.32-1995 and NIST Handbook 150-4, table 2 categories II, IVA, IVB, VA through testing.

## NVLAP LAB CODE 100514-0

**Ginna Nuclear Station**

1503 Lake Road  
Ontario, NY 14519  
Contact: Mr. Andrew J. Harhay  
Phone: 716-771-3323  
Fax: 716-771-3905

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AS in an ISA Model 821 hanger for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Panasonic TLD model UD812A-5 in a Panasonic UD874A-T hanger for ANSI-N13.11 categories IV, V, VII.

Combination Panasonic TLD model UD812A-5 and UD809-AS in a Panasonic UD884A-T holder with cd shields for ANSI-N13.11 category VIII.

## NVLAP LAB CODE 100515-0

**Thermo Nutech**

5635 Jefferson Street, N.E.  
Albuquerque, NM 87109  
Contact: Mr. James D. DeZetter  
Phone: 505-345-9931  
Fax: 505-761-5410  
E-Mail: nutech@flash.net

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Eberline manual reader TLR-6.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Eberline TLD-100 (2 or 3 TLD chips) for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VI, VII, VIII.

Eberline Albedo TLD-100 for ANSI-N13.11 category VIII.

Eberline TLD-100 extremity dosimeter in an elastic ring holder for ANSI HPS N13.32 and NIST Handbook 150-4, table 2 categories I, II, IIIA, IIIB, IV.

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**NVLAP LAB CODE 100516-0**


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**Tennessee Valley Authority External Dosimetry Service**

Sequoyah Access Road, P.O. Box 2000  
Soddy-Daisy, TN 37379-2000  
Contact: Mr. Mark A. Palmer  
Phone: 423-843-8857  
Fax: 423-843-7133

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AS in a Panasonic UD874A-T holder for ANSI-N13.11 categories III, IV, V, VI, VII, VIII.

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**NVLAP LAB CODE 100517-0**


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**Carolina Power & Light Company, Harris Energy & Enviro. Center**

3932 New Hill-Holleman Road  
P.O. Box 327  
New Hill, NC 27562-0327  
Contact: Mr. A. G. Cheatham  
Phone: 919-362-3215  
Fax: 919-362-3354  
E-Mail: gooch.cheatham@cplc.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the TLD radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802 in a Panasonic closed type UD-874 ATM1 holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

Merlin Gerin DMC-100 Electronic Personal Dosimeter (EPD) with LDM-101 reader for ANSI N13.11 category IV.

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**NVLAP LAB CODE 100518-0**


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**Landauer, Inc.**

2 Science Road  
Glenwood, IL 60425-1586  
Contact: Dr. R. Craig Yoder  
Phone: 708-755-7000  
Fax: 708-755-7011  
E-Mail: cyoder@landauerinc.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) automatic film reader Tech/Ops Model 1; (2) Harshaw Atlas Hotgas reader/modified Atlas reader with Apollo Systems CO2 laser; (3) Harshaw 2271 reader; (4) NTA/Polycarbonate /CR-39 manual optical readers; (5) manual densitometers X-Rite, Tech/Ops Model 301, Macbeth Model TD504 or (6) ALNOR Dosacus reader; (7) Delayed Optically Stimulated Luminescence (DOSL) Luxel reader.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Landauer designation:

| DOSIMETER                                  | PROCESS | ANSI N13.11 CATEGORY |                       |
|--------------------------------------------|---------|----------------------|-----------------------|
|                                            |         | Based On Testing     | Based On Tech. Equiv. |
| <b>FILM</b>                                |         |                      |                       |
| G - Film "GARDRAY"(A)                      | 1,5     | I-VII                |                       |
| A - G badge plus polycarbonate(F)          | 1,4,5   | VIII                 | I-VII                 |
| R - G badge plus ER(G)                     | 1,3,4,5 | VIII                 | I-VII                 |
| R - G badge plus ALNOR ER(M)               | 1,4,5,6 | VIII                 | I-VII                 |
| B - G badge plus CR 39(L)                  | 1,4,5   | VIII                 | I-VII                 |
| C - G badge plus CR-39 and Cadmium         | 1,4,5   |                      | I-VIII                |
| J - G badge plus polycarbonate and Cadmium | 1,4,5   |                      | I-VIII                |
| Y - G badge plus Cadmium                   | 1,4,5   |                      | I-VII                 |
| Q - DEX-RAY                                | 1,4,5   |                      | I-VII                 |

# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued

| TLD                   |       |       |        | ANSI N13.11 CATEGORY |         |                 |                  |
|-----------------------|-------|-------|--------|----------------------|---------|-----------------|------------------|
| K - ALNOR             |       |       |        | DOSIMETER            | PROCESS |                 |                  |
| (TLD 100 chips)(K)(H) | 6     | I-VII |        |                      |         |                 |                  |
| W - modified - 2 chip |       |       |        |                      |         |                 |                  |
| Escort with x-ray     |       |       |        |                      | Based   | Based           |                  |
| filtration (J)        | 2     | I, II |        |                      | On      | On Tech.        |                  |
| Z - K badge           |       |       |        |                      | Testing | Equiv.          |                  |
| (TLD 700 chips)       |       |       |        | TLD                  |         |                 |                  |
| plus Neutron Track    |       |       |        |                      |         |                 |                  |
| Etch CR39(T)(I)       | 4,6   | VIII  | I-VII  | U - Ring (B)         | I,4     | I, II, III(A),  |                  |
| F - L badge plus      |       |       |        | (Finger)             |         | IV, V(A), V(B), |                  |
| CR-39                 | 2,4   |       | I-VIII |                      |         | V(D), VI, VII   |                  |
| F - L badge plus      |       |       |        |                      |         |                 |                  |
| polycarbonate         | 2,4   |       | I-VIII | K - Modified K (H)   |         |                 |                  |
| F - L badge plus ER   | 2,3,4 |       | I-VIII | (Wrist)              | 3,4     | IIIA and VI     | I, II, IV, V(A), |
| L - 4 chip Alnor TLD  | 6     |       | I-VII  |                      |         |                 | V(B), V(D), VII  |
| M - K badge           |       |       |        | FILM                 |         |                 |                  |
| (TLD 700 chips)       | 6     |       | I-VII  |                      |         |                 |                  |
| S - K badge           |       |       |        | G - Gardray (A)      |         |                 |                  |
| (TLD 700 chips)       |       |       |        | (Wrist)              | 2,5     | IIIA and VI     | I, II, IV, V(A), |
| plus ER               | 4,6   |       | I-VIII |                      |         |                 | V(B), V(D), VII  |
| Z - K badge           |       |       |        |                      |         |                 |                  |
| (TLD 700 chips)       |       |       |        |                      |         |                 |                  |
| plus polycarbonate    | 4,6   |       | I-VIII | DOSL                 |         |                 |                  |
|                       |       |       |        |                      |         |                 |                  |
| DOSL                  |       |       |        | H-Luxel type H       |         |                 |                  |
|                       |       |       |        | (Wrist)              | 7       | IIIA and VI     | I, II, IV, V(A), |
| H-Luxel type H        | 7     |       | I-VII  |                      |         |                 | V(B), V(D), VII  |
| P-Luxel type P        | 7     | I-VII | VIII   |                      |         |                 |                  |

NVLAP LAB CODE 100519-0

## South Texas Project Dosimetry Laboratory

P.O. Box 289  
Wadsworth, TX 77483  
Contact: Mr. Robert V. Logan  
Phone: 512-972-7566  
Fax: 512-972-7757

## Ionizing Radiation Dosimetry

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD Model UD802-AT in an ISA Model 830 holder for ANSI-N13.11 categories II, IIIA, IV, VC, VI, VII.

A Panasonic TLD Model UD802-AT in an ISA Model 810 holder for ANSI-N13.11 category VIII.

The following sites are included to perform limited volume, emergency response processing employing either a Harshaw 3000 manual reader or manual film processing techniques for the following badges:

| DOSIMETER              | ANSI N13.11 CATEGORY |
|------------------------|----------------------|
| G - Film "GARDRAY"     | I through VII        |
| L - TLD 4 chip "ALNOR" | I through VII        |
| K - TLD 3 chip "ALNOR" | I through VII        |

Landauer, Inc. Company Offices: El Segundo, California; Houston, Texas; and East Brunswick, New Jersey.

This facility has been accredited to process the extremity dosimeters listed below, by virtue of actual demonstration of compliance with ANSI-N13.32-1995 and NIST Handbook 150-4, Pg. 14, Table 2, through employing the following readers/process: (1) Landauer Custom Automated, (2) Kanars Data Custom Automated (film), (3) Alnor Dosacus Automatic Reader, (4) Harshaw 2000B/D, 3000, 4000 manual, and (5) Macbeth TD504, TD904, TD931 manual.

NVLAP LAB CODE 100520-0

**North Anna Power Station**

End of Route 700 North  
P.O. Box 402  
Mineral, VA 23117  
Contact: Ms. Teresa G. Johnson  
Phone: 540-894-2605  
Fax: 540-894-2408  
E-Mail: Teresa\_G.\_Johnson@VaPower.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD-716AGL.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD-802AT2 in a UD-879A-TM holder for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 100521-0

**Duquesne Light Company, Beaver Valley Power Station**

Mail Drop BV-ERF  
P.O. Box 4  
Shippingport, PA 15077-0004  
Contact: Mr. John T. Lebda  
Phone: 412-393-5872  
Fax: 412-393-5621

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD812-AS2 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

The dosimeter is housed in a custom made plastic clam shell type holder with filtering of 4mg/cm<sup>2</sup> mylar over elements 1 & 2, 140 mg/cm<sup>2</sup> plastic over element 3, and 840 mg/cm<sup>2</sup> plastic over element 4.

NVLAP LAB CODE 100524-0

**Yankee Atomic Electric Company, Environmental Laboratory**

580 Main Street  
Bolton, MA 01740-1398  
Contact: Mr. Edward H. Maher  
Phone: 508-568-2522  
Fax: 508-568-2520  
E-Mail: maher@yankee.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model 710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model 808 in a ISA model 830U holder for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VB, VC, VI, VII.

Panasonic TLD model 814-AS4 for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VB, VC, VI, VII.

Panasonic TLD models UD808/UD814 combined for category VIII.

NVLAP LAB CODE 100528-0

**TU Electric-Comanche Peak Steam Electric Station**

5 mi. NW Glen Rose off FM 56  
P.O. Box 1002  
Glen Rose, TX 76043  
Contact: Mr. John R. Curtis  
Phone: 817-897-5332  
Fax: 817-897-0657

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AT in an ISA 820 holder with Mylar-window for ANSI-N13.11 categories III, IV, V, VI, VII, VIII.

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**NVLAP LAB CODE 100529-0****Detroit Edison, Fermi 2 Dosimetry Laboratory**

6400 North Dixie Highway, 100 A1B  
Newport, MI 48166  
Contact: Ms. Lynda Craine  
Phone: 313-586-1388  
Fax: 313-586-1041  
E-Mail: crainel@detroitedison.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AS in a Panasonic UD854A hanger for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

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**NVLAP LAB CODE 100532-0****ICN Dosimetry Services, H.E. Division**

3300 Hyland Avenue  
Costa Mesa, CA 92626  
Contact: Ms. S. Nemecek  
Phone: 800-251-3331  
Fax: 714-668-3149  
E-Mail: SANZZZZ@aol.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a SLD STI 8800 automatic reader and film processing using a custom automatic developer and densitometer.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-HPS N.13-1993 through testing.

Siemens Film Badge (Kodak Type 3,) for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

Siemens Film Badge (Kodak Type 3 with CR39) for ANSI-N13.11 category VIII.

Siemens SLD-100 for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

Siemens SLD-760 for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

Siemens SLD series with CR39 for ANSI-N13.11 category VIII.

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**NVLAP LAB CODE 100533-0****Teledyne Brown Engineering Environmental Services**

50 Van Buren Avenue, P.O. Box 1235  
Westwood, NJ 07675-1235  
Contact: Dr. Ival Toepke  
Phone: 201-664-7070  
Fax: 201-664-1632

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing the Teledyne automatic reader model 9150, system 300 TLD reader for the 300 series and the manual reader model 7300 for the EC1.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Teledyne TLD model PB5 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Teledyne TLD model PB5N ANSI-N13.11 category VIII.

Teledyne TLD P-300AS for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Teledyne TLD P-300DS for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

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**NVLAP LAB CODE 100535-0****Entergy Operations, Inc. - Arkansas Nuclear One**

1448 S.R. 333  
Russellville, AR 72801  
Contact: Mr. Thomas M. Rolniak  
Phone: 501-858-7687  
Fax: 501-858-7646

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued**

Panasonic TLD model UD802-AS in a Panasonic 874A holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

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**NVLAP LAB CODE 100536-0****Arizona Public Service Co., Palo Verde Nuclear Generating Station**

5801 S. Wintersburg Road, Station 6107

Tonopah, AZ 85354-7529

Contact: Mr. Michael W. Lantz

Phone: 602-393-5200

Fax: 602-393-5003

E-Mail: mlantz@apsc.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD812-AS5 in an ISA holder with an open window over element I for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Panasonic TLD combination UD809/UD812-AS in a Panasonic UD885A-T holder for ANSI-N13.11 category VIII.

Merlin Gerlin DMC-100 Electronic Personnel Dosimeter for ANSI-N13.11 categories IIIB, IV, VI.

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**NVLAP LAB CODE 100537-0****Pacific Gas & Electric Company, Diablo Canyon Nuclear Power Plant**

P.O. Box 56

Avila Beach, CA 93424

Contact: Mr. Paul W. Gangwisch

Phone: 805-545-4185

Fax: 805-545-6645

E-Mail: pwg1@topgun.comp.pge.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AS in a Panasonic

UD875AT holder for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

Combination Panasonic TLD model UD813-AS8 in a Panasonic UD886AT holder for ANSI-N13.11 category VIII.

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**NVLAP LAB CODE 100538-0****Con Edison, Indian Point Station 2**

Broadway and Bleakley Avenue

Buchanan, NY 10511-1099

Contact: Mr. Richard J. Martucci

Phone: 914-734-5515

Fax: 914-734-5734

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AT in an 874 AT holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

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**NVLAP LAB CODE 100539-0****U.S. Army Ionizing Radiation Dosimetry Center (USAIRDC)**

Attn: AMSMI-TMDE-SR-D, Bldg. 5417

Redstone Arsenal, AL 35898-5400

Contact: Mr. A. Edward Abney

Phone: 205-876-1786

Fax: 205-876-3816

E-Mail: cabney@redstone.army.mil

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Model 710 reader.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic Model UD802AS as in a Panasonic UD-874A-T holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VB, VC, VI, VII, VIII.

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**NVLAP LAB CODE 100540-0**

**Northeast Utilities Service Company Dosimetry**

**Laboratory**

3333 Berlin Turnpike  
Newington, CT 06111  
Contact: Mr. John E. Laine  
Phone: 860-447-1791 x5343  
Fax: 860-444-5640  
E-Mail: LAINEJE@GWSMTP.NU.COM

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw model 8800 TLD workstation.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Harshaw TLD card model 8801 (3 TLD 700, 1 TLD 600 chips) in a Harshaw Model NV-8810 holder for ANSI-N13.11 categories I, II, IIIB, IV, VB, VI, VII, and VIII.

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**NVLAP LAB CODE 100541-0**

**ComEd - TLD Processing Lab - CTEAM Facility**

555 South Joliet Road  
Bolingbrook, IL 60440  
Contact: Mr. William F. Carl  
Phone: 630-663-3848  
Fax: 630-663-3855

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility listed has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

Panasonic TLD model UD802AS in a UD874-T hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

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**NVLAP LAB CODE 100544-0**

**Florida Power & Light Company**

700 Universe Blvd.  
P.O. Box 14000  
Juno Beach, FL 33408-0420  
Contact: Mr. Joseph Danek  
Phone: 407-694-4213  
Fax: 407-694-3706  
E-Mail: joe-danek@email.fpl.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to

process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD716.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1993 through testing.

Panasonic TLD model UD802-AT or AS in a ISA 820 holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

Merlin Gerin electronic dosimeter model DMC-100 for ANSI-N13.11 categories IV and VI.

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**NVLAP LAB CODE 100548-0**

**USAF Armstrong Laboratory/OEBD**

2402 E. Drive  
Brooks AFB, TX 78235-5114  
Contact: LtCol James D. Montgomery  
Phone: 210-536-3305  
Fax: 210-536-3945

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD716AGL.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802AT in model 820-C hanger for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

Panasonic TLD model UD802AT in ISA model 822 neutron hanger for ANSI-N13.11 categories IV, VIII.

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**NVLAP LAB CODE 100551-0**

**Georgia Power Company/Enviro. Affairs, Enviro. Lab-Dosimetry**

5131 Maner Road  
Smyrna, GA 30080  
Contact: Mr. Michael C. Nichols  
Phone: 404-799-2112  
Fax: 404-799-2141

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing Panasonic automatic readers model UD-710A and UD-717.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with HPS ANSI-N13.11-1993 and HPS ANSI-N13.32 through testing.

Panasonic TLD model UD802-AS in a Panasonic 854A or UD-874ATM1 (closed) hanger for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII.

Panasonic extremity TLD model UD-817 in an elastic ring holder for HPS ANSI-N13.32 (NIST Handbook 150-4, table 2) categories II, IV and VII.

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**NVLAP LAB CODE 100553-0**

**Niagara Mohawk Power Corporation - Nine Mile Point**

Lake Road, P.O. Box 63  
Lycoming, NY 13093  
Contact: Mr. Robert Carlson  
Phone: 315-349-2728  
Fax: 315-349-2832

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11 through testing.

Panasonic TLD model UD802 in a Panasonic UD874ATM1 hanger for ANSI-N13.11-1983 categories I, II, III, IV, V, VI, VII, VIII.

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**NVLAP LAB CODE 100554-0**

**Pennsylvania Power and Light Company**

Two North Ninth Street  
Allentown, PA 18101-1179  
Contact: Mr. Stephen L. Ingram  
Phone: 610-774-7892  
Fax: 610-774-7205

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS in a Panasonic UD874-AT1 hanger for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

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**NVLAP LAB CODE 100555-0**

**ICN Dosimetry Div., ICN Pharmaceuticals, Inc.**

3300 Hyland Ave., ICN Plaza  
Costa Mesa, CA 92626  
Contact: Ms. Sandra Nemecek  
Phone: 714-545-0100 x2297  
Fax: 714-668-3149  
E-Mail: SANZZZZ@aol.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A, and a UD702 manual reader for TLD processing and a MacBeth densitometer for film processing.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model ICN UD-802 with a model UD-854 or UD-874 hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

ICN model T2 (Kodak type II film) for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

Panasonic TLD model UD-802 with CR39 in a model UD-874 hanger for ANSI-N13.11 category VIII.

ICN model T2 (Kodak type II film with CR39) for ANSI-N13.11 category VIII.

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**NVLAP LAB CODE 100556-0**

**Atomic Energy Industrial Laboratory of the Southwest**

9261 Kirby Drive  
Houston, TX 77054-2514  
Contact: Mr. Steven H. Allen  
Phone: 713-790-9719  
Fax: 713-790-0542

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing film processing using a computerized custom densitometer.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Film Badge B-4 (Kodak Type 3) for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Film Badge N-5 (Kodak Type 3 and A) for ANSI-N13.11 category VIII.

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**NVLAP LAB CODE 100559-0****Troxler Radiation Monitoring Svc. a div. of  
Troxler Elect. Labs**

3008 Cornwallis Road  
P.O. Box 12057  
Research Triangle Park, NC 27709  
Contact: Mr. Stephen A. Browne  
Phone: 919-549-8661  
Fax: 919-549-0761

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 with model UD854 hanger for ANSI-N13.11 category I, II, III, IV, V, VI, VII, VIII.

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**NVLAP LAB CODE 100560-0****Electric Boat Corp/A General Dynamics Co.  
Radiological Ctrl. Dept**

75 Eastern Point Road  
Groton, CT 06340-4909  
Contact: Mr. Robert D. Renza  
Phone: 860-433-3674  
Fax: 860-433-0946

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw manual reader model 4000.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

A Harshaw TLD model 4040, CaF2 Bulb Dosimeter for ANSI-N13.11 Category IV.

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**NVLAP LAB CODE 100561-0****Newport News Shipbuilding Radiological Control  
Department**

4101 Washington Avenue  
Newport News, VA 23607-2770  
Contact: Mr. C. T. Hill  
Phone: 804-380-2369  
Fax: 804-380-3778

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw automatic reader model 8800.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD model 2276-L, BG (2 TLD 700, 1 TLD 600) in a Type 80 Harshaw/Filtrol cardholder for ANSI-N13.11 category IV.

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**NVLAP LAB CODE 100562-0****Radiation Laboratory, Taiwan Power Company**

P.O. Box 7  
Shihmen Taipei 25302  
TAIWAN  
Contact: Mr. W. W. Yeh  
Phone: +886-2-638-1397  
Fax: +886-2-638-2446

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802AS in a UD-874A holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

NVLAP LAB CODE 100563-0

**Combustion Engineering, Inc.**

2000 Day Hill Road, Dept. 9459-0202  
P.O. Box 500  
Windsor, CT 06095-0500  
Contact: Mr. Stephen M. Sorensen  
Phone: 203-285-5285  
Fax: 203-285-2540

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: September 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802-AS2 in a Panasonic UD874-AT holder for ANSI-N13.11 categories II, IV, VC, VII.

NVLAP LAB CODE 100565-0

**Naval Nuclear Propulsion Program Directorate**

Puget Sound Naval Shipyard, Rad. Hlth  
Division, Code 105.5, 1400 Farragut Ave  
Bremerton, WA 98314-5000  
Contact: Mr. R. K. Alspach  
Phone: 206-476-3596  
Fax: 206-476-4383

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

The facility listed has been evaluated as a representative site and deemed competent to process the radiation dosimeter listed below through employing a Radiac Computer-Indicator Model No. CP-1112/PD TLD reader.

Puget Sound Naval Shipyard  
Radiation Health Division (Code 105.5)  
Bremerton, WA 98314-5000

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing:

CaF<sub>2</sub> Bulb Dosimeter (DT-526/PD) for ANSI-N13.11 categories II, IV.

The accreditation is also extended to include processing performed by other facilities in the Naval Nuclear Propulsion Program which use identical equipment and procedures as listed above.

NVLAP LAB CODE 100567-0

**Health Physics Northwest**

11535 S.W. 67th  
Tigard, OR 97223-8504  
Contact: Mr. Ross L. Mercer  
Phone: 503-620-6617  
Fax: 503-684-5548

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD716.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AT2 in a ISA 831U holder for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII and VIII.

NVLAP LAB CODE 100569-0

**Westinghouse Electric Corporation Nuclear Services Div. TLD Lab**

Route 70 @ Madison Exit 25A  
P.O. Box 158  
Madison, PA 15663-0158  
Contact: Ms. Deborah A. Welker  
Phone: 412-722-5603  
Fax: 412-722-5735

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Harshaw automatic reader model 6600.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

A Harshaw Model TLD type 8814 with three 700 chips and one 600 chip for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII.

NVLAP LAB CODE 100569-1

**Westinghouse Electric Corporation**

1990 New Cut Road  
P.O. Box 2110  
Spartanburg, SC 29301  
Contact: Raymond E. Shafer  
Phone: 412-722-5935  
Fax: 412-722-5788

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This sub-facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Harshaw Automatic reader model 6600.

This sub-facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

A Harshaw Model TLD type 8814 with three 700 chips and one 600 chip for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII.

NVLAP LAB CODE 100570-0

**Clinton Power Station**

6 mi. East of Clinton, Route 54 East  
P.O. Box 678  
Clinton, IL 61727-0678  
Contact: Ms. Mary J. Lewis  
Phone: 217-935-8881 x3718  
Fax: 217-935-4934

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Model UD716AGL automatic reader.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD-802-AT in a ISA model 820 holder for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100571-0

**United States Dosimetry Technology, Inc.**

660-A George Washington Way  
Richland, WA 99352-4246  
Contact: Mr. M. K. Winegardner  
Phone: 509-946-8738  
Fax: 509-943-2710

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: December 31, 1997

This facility has been evaluated and deemed competent to process TLD dosimeters. The TLD dosimeters are processed using a USDT Card Reader.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

USDT TLD F (TLD-700 and 600) for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

USDT T-3 film for ANSI-13.11 categories I, II, IV, VA, VII.

NVLAP LAB CODE 100573-0

**Proxtronic, Inc.**

5795-B Burke Centre Parkway  
P.O. Box 12150  
Burke, VA 22015  
Contact: Mr. John B. Davis  
Phone: 703-425-4811  
Fax: 703-503-2856  
E-Mail: sales@Proxtronic.com

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing film processing using a Victoreen 07-440 densitometer and TLD processing using a Panasonic UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI N13.11-1983 through testing.

Film Badge (Kodak Type II) for ANSI N13.11 categories III & IV.

Panasonic TLD model UD802-AS2 in an ISA 831 hanger for ANSI HPS N13.11-1993 categories I, II, IIIA, IV, VA, VB, VC, VI, VII, VIII.

Panasonic TLD model UD802-AS2 in a Panasonic 854

hanger for ANSI N13.11-1993 categories IIIA, IV.

**NVLAP LAB CODE 100574-0**

**Portsmouth Gaseous Diffusion Plant**

Mail Stop 5022, P.O. Box 628  
Piketon, OH 45661-0628  
Contact: Mr. Mitchell M. Truitt  
Phone: 614-897-2326  
Fax: 614-897-2125  
E-Mail: TruittMM

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Harshaw/Bicron automatic reader model 8800.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD model 8805 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

**NVLAP LAB CODE 101004-0**

**Labcorp Analytics Laboratory**

8040 Villa Park Drive  
Richmond, VA 23228  
Contact: Mr. James A. Calpin  
Phone: 804-264-7100  
Fax: 804-264-8873

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 101005-0**

**IEA - Massachusetts**

149 Rangeway Road  
N. Billerica, MA 01862-2097  
Contact: Mr. Ernest T. Dobi  
Phone: 508-667-1400  
Fax: 508-667-7871

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

**NVLAP LAB CODE 101006-0**

**Advanced Industrial Hygiene Services, Inc.**

2131 S.W. 2 Ave.  
Miami, FL 33129-1411  
Contact: Mr. Bruce Marchette  
Phone: 305-854-7554  
Fax: 305-285-0677

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 101007-0**

**Affiliated Environmental Services, Inc.**

3606 Venice Road  
Sandusky, OH 44870  
Contact: Mr. Don Dauch  
Phone: 419-627-1976  
Fax: 419-625-3753

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 101011-0**

**Hygeia ProScience Laboratories, Inc.**

600 West Cummings Park, Suite 1900  
Woburn, MA 01801-6350  
Contact: Mr. Dennis Girard  
Phone: 617-938-1084  
Fax: 617-938-1487

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 101012-0**

**Dixon Information Inc.**

78 West 2400 South  
South Salt Lake, UT 84115-3013  
Contact: Mr. Willard C. Dixon  
Phone: 801-486-0800  
Fax: 801-486-0849

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101014-0****Aires Consulting Services, Inc.**

1550 Hubbard  
Batavia, IL 60510  
Contact: Ms. Cynthia Darling  
Phone: 630-879-3006  
Fax: 630-879-3014

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101018-0****Benchmark Engineering Inc.**

1550 Pumphrey Avenue  
Auburn, AL 36830-4302  
Contact: Mr. Kenneth E. Wilson  
Phone: 334-821-9250  
Fax: 334-821-9765

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101019-0****Electro-Analytical, Inc.**

7118 Industrial Park Blvd.  
Mentor, OH 44060-5314  
Contact: Mr. James D. Hale  
Phone: 216-951-3514  
Fax: 216-951-3774

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101031-0****Fiberquant, Inc.**

5025 S. 33rd St.  
Phoenix, AZ 85040  
Contact: Mr. Larry S. Pierce  
Phone: 602-276-6139  
Fax: 602-276-4558  
E-Mail: MATHEW\_BRADY@MSN.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101032-0****Batta Laboratories, Inc.**

Delaware Industrial Park  
6 Garfield Way  
Newark, DE 19713-5817  
Contact: Mr. Naresh C. Batta  
Phone: 302-737-3376  
Fax: 302-737-5764  
E-Mail: battaenv@battaenv.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101034-0****Environmental Health Laboratory**

100 Sebethe Drive, Suite A-5  
Cromwell, CT 06416  
Contact: Mr. Jim Kenny  
Phone: 203-635-6475  
Fax: 203-635-6750

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101035-0****Microbac Laboratories, Inc.**

Erie Testing Division  
1962 Wager Road  
Erie, PA 16509  
Contact: Mr. Michael McElhinny  
Phone: 814-825-8533  
Fax: 814-825-9254

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101037-0**

**Microscopic Analysis, Inc.**

941 Gardenvue Office Parkway  
St. Louis, MO 63141-5917  
Contact: Mr. Douglas N. Nimmo  
Phone: 314-993-2212  
Fax: 314-993-3193

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101039-0**

**Carnow, Conibear & Associates Ltd.**

333 W. Wacker Drive, Suite 1400  
Chicago, IL 60606-1226  
Contact: Mr. Aleksey Torosin  
Phone: 312-782-4486  
Fax: 312-782-5145

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101045-0**

**Hub Testing Laboratory, Inc.**

95 Beaver Street  
Waltham, MA 02154  
Contact: Mr. Frederick T. Boyle  
Phone: 800-878-8938  
Fax: 617-893-4414  
E-Mail: ftboyle@ultranet.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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**NVLAP LAB CODE 101048-0**

**EMSL Analytical, Inc.**

108 Haddon Avenue  
Westmont, NJ 08108-2799  
Contact: Mr. John Newton  
Phone: 609-858-4800  
Fax: 609-858-0648

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101048-1**

**EMSL Analytical, Inc.**

1600 Roswell Street, SE, Suite #1  
Smyrna, GA 30080  
Contact: Richard White  
Phone: 404-333-6066  
Fax: 404-333-6003

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101048-2**

**EMSL Analytical, Inc.**

1056 Stelton Rd.  
Piscataway, NJ 08854  
Contact: Yu Wang  
Phone: 908-981-0550  
Fax: 908-981-0551

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101048-3**

**EMSL Analytical, Inc.**

1720 South Amphlett Blvd., Suite 130  
San Mateo, CA 94402  
Contact: Joseph Centifonti  
Phone: 415-570-5401  
Fax: 415-570-5402

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101048-4

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**EMSL Analytical, Inc.**

212 S. Wagner Road  
Ann Arbor, MI 48103  
Contact: Hildegard Hohnke  
Phone: 313-668-6810  
Fax: 313-668-8532

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101048-9

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**EMSL Analytical, Inc.**

350 Fifth Avenue, 15th Floor  
Suite 1524  
New York, NY 10118  
Contact: Edward Cahill  
Phone: 212-290-0051  
Fax: 212-290-0058

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101048-10

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**EMSL Analytical, Inc.**

208 Stone Henge Road  
Carle Place, NY 11514  
Contact: Brian Riedener  
Phone: 516-997-7251  
Fax: 516-997-7258

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101050-0

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**Azimuth Laboratories**

9229 University Blvd.  
Charleston, SC 29406  
Contact: Mr. Richard D. Bennett  
Phone: 803-553-9456  
Fax: 803-569-3282

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101051-0

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**Accredited Environmental Technologies, Inc.**

28 North Pennell Road  
Media, PA 19063  
Contact: Mr. Carl Josephson  
Phone: 610-891-0114  
Fax: 610-891-0559

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101053-0

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**Standard Testing and Engineering Company**

3400 North Lincoln Blvd.  
Oklahoma City, OK 73105-5493  
Contact: Dr. Donald R. Moore  
Phone: 405-528-0541  
Fax: 405-528-0559

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101058-0

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**Rust Federal Services of Hanford, Inc.**

Waste Sampling & Characterization Fac.  
P.O. Box 700 MSIN: S3-30  
Richland, WA 99352  
Contact: Ms. Maureen K. Hamilton  
Phone: 509-373-7167  
Fax: 509-373-7133

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101060-0

**DLZ Laboratories, Inc.**

6121 Huntley Road  
Columbus, OH 43229-1003  
Contact: Mr. Michael R. Pannell  
Phone: 614-848-4333  
Fax: 614-841-0818  
E-Mail: dlzlabs@iwaynet.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101061-0

**ChemScope, Inc.**

15 Moulthrop Street  
North Haven, CT 06473-3686  
Contact: Mr. Ronald D. Arena  
Phone: 203-865-5605  
Fax: 203-498-1610

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101062-0

**Quest Industrial Inc.**

250 DeBartolo Pl., Suite 2500  
Youngstown, OH 44405  
Contact: Mr. Edward B. Engel  
Phone: 800-365-3396  
Fax: 216-758-1245

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101063-0

**Applied Environmental Testing Laboratories, Inc.**

2900 Chamblee Tucker Road  
Bldg. 14, Suite 200  
Atlanta, GA 30341  
Contact: Ms. Sylvia T. Bigazzi  
Phone: 770-451-8155  
Fax: 770-454-0248

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101064-0

**ECS/Wagner Environmental**

1259 Willamette Street  
Eugene, OR 97401-3578  
Contact: Ms. Lisa Thomas  
Phone: 541-343-0300  
Fax: 541-343-0375

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101066-0

**Law Engineering and Environmental Services, Inc.**

2100 Riverchase Center, Suite 450  
Birmingham, AL 35244  
Contact: Mr. James C. Findlay  
Phone: 205-733-7672  
Fax: 205-985-2951

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101070-0

**PSI, Inc.**

25 Dubon Street  
Farmingdale, NY 11735  
Contact: Ms. Patty Kirkland  
Phone: 516-752-1226  
Fax: 516-752-1508

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101072-0

**Industrial Testing Laboratories, Inc.**

2350 South 7th Street  
St. Louis, MO 63104-4296  
Contact: Mr. William J. Lowry  
Phone: 314-771-4436  
Fax: 314-771-9573

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101074-0

**CT&E Environmental Services**

One Palmer Terrace  
 Carlstadt, NJ 07072  
 Contact: Ms. Cecile Fook  
 Phone: 201-939-4280  
 Fax: 201-939-4670

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101079-0

**Wausau Insurance Companies**

Environmental Health Laboratory  
 P.O. Box 8017, 2000 Westwood Drive  
 Wausau, WI 54402-8017  
 Contact: Dr. Thomas Stavros  
 Phone: 715-842-6810  
 Fax: 715-847-8391

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101086-0

**Analytica Solutions, Inc.**

325 Interlocken Parkway, Suite 200  
 Broomfield, CO 80021  
 Contact: Mr. Tim Osbourn  
 Phone: 303-469-8868  
 Fax: 303-469-5254

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101087-0

**Environmental Monitoring & Consulting Associates**

P.O. Box 872  
 Somerville, NJ 08876  
 Contact: Mr. Joel Russell  
 Phone: 908-249-3005  
 Fax: 908-249-3384

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101088-0

**EEC, Inc.**

107 Wind Chime Court  
 Raleigh, NC 27615  
 Contact: Mr. Mike Shrimanker  
 Phone: 919-846-1016  
 Fax: 919-846-1813

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101091-0

**Maxim Technologies, Inc.**

2342 Fabens  
 P.O. Box 59902  
 Dallas, TX 75229-3399  
 Contact: Ms. Jennifer Jaber  
 Phone: 214-247-7576  
 Fax: 214-484-5804

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101091-1

**Maxim Technologies, Inc.**

222 Cavalcade Street  
 P.O. Box 8768  
 Houston, TX 77249-8768  
 Contact: Mr. Tom Jank  
 Phone: 713-692-9151  
 Fax: 713-696-6274

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101103-0

**Chatfield Technical Consulting Limited**

2071 Dickson Road  
 Mississauga Ontario L5B 1Y8  
 CANADA  
 Contact: Dr. Eric J. Chatfield  
 Phone: 905-896-7611  
 Fax: 905-896-1930

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101106-0

**Clayton Environmental Consultants, Inc.**

4636 East Marginal Way South, Suite 215  
Seattle, WA 98134-2331  
Contact: Ms. Patricia Lukens  
Phone: 206-763-7364  
Fax: 206-763-4189

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101109-0

**Wisconsin Occupational Health Laboratory**

979 Jonathon Drive  
Madison, WI 53713  
Contact: Mr. Lyle Reichmann  
Phone: 608-263-7781  
Fax: 608-263-6551

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101111-0

**City of Los Angeles Department of Water and Power**

Department of Water and Power  
P.O. Box 111, 1630 N. Main St., Bldg. 7  
Los Angeles, CA 90051-0100  
Contact: Mr. Timothy B. Hemming  
Phone: 213-367-7271  
Fax: 213-367-7285

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101112-0

**SSM/Laboratories, Inc.**

345 North Wyomissing Blvd.  
P.O. Box 6307  
Reading, PA 19610-0307  
Contact: Ms. Odette Mina  
Phone: 610-376-4595  
Fax: 610-376-8522

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101116-0

**Environmental Health Laboratory**

3920 Arkwright Road  
Macon, GA 31213  
Contact: Mr. Andrew L. Teague  
Phone: 912-471-4544  
Fax: 912-471-4326  
E-Mail: ateague@cigna.e-mail.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101122-0

**Versar, Inc.**

6850 Versar Center  
Springfield, VA 22151  
Contact: Ms. Marcie Dilks  
Phone: 703-642-6889  
Fax: 703-642-6809

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101125-0

**Clayton Environmental Consultants, Inc.**

400 Chastain Center Blvd., NW  
Suite 490  
Kennesaw, GA 30144-5558  
Contact: Mr. Alan M. Segrave  
Phone: 770-499-7500  
Fax: 770-423-4990  
E-Mail: ASEG007@AOL.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101130-0

**TEM, Incorporated**

443 Duane Street  
Glen Ellyn, IL 60137  
Contact: Mr. James Tuinenga  
Phone: 630-790-0880  
Fax: 630-790-0882

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101135-0****McKee Environmental Health, Inc.**

303 Westfield Lane  
Friendswood, TX 77546-6316  
Contact: Mr. Ronald S. McKee  
Phone: 713-482-3403  
Fax: 713-482-7203

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101136-0****American Medical Laboratories**

14225 Newbrook Drive  
P.O. Box 10841  
Chantilly, VA 22021-0841  
Contact: Mr. Bryan Mason  
Phone: 703-802-6900  
Fax: 703-802-7041

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101143-0****AMA Analytical Services, Inc.**

4485 Forbes Blvd.  
Lanham, MD 20706  
Contact: Dr. Douglas M. Hanson  
Phone: 301-459-2640  
Fax: 301-459-2643  
E-Mail: AMALAB@EROLS.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101145-0****Riverside County Department of Environmental Health**

P.O. Box 7600, 4065 County Circle Drive  
Riverside, CA 92513-7600  
Contact: Mr. William D. Redden  
Phone: 909-358-5050  
Fax: 909-358-5443

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101147-0****Hygienetics Laboratory Services**

98 North Washington Street  
Boston, MA 02114  
Contact: Mr. Bryan Clark  
Phone: 617-589-0660  
Fax: 617-742-4285

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101148-0****Fugro Environmental, Inc.**

6100 Hillcroft, Suite 300  
P.O. Box 740010  
Houston, TX 77081  
Contact: Mr. Darryl Neldner  
Phone: 713-773-5631  
Fax: 713-773-5600

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101150-0****Schneider Laboratories, Inc.**

2512 W. Cary Street  
Richmond, VA 23220-5117  
Contact: Mr. Raja F. Abouzaki  
Phone: 804-353-6778  
Fax: 804-353-6928

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101151-0

**Micro Analytical Laboratories, Inc.**

3618 N.W. 97th Blvd.  
Gainesville, FL 32606  
Contact: Mr. Robert A. Longo  
Phone: 352-332-1701  
Fax: 352-332-3572

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101152-0

**Law Engineering, Inc.**

5500 Guhn Road  
Houston, TX 77040-6126  
Contact: Mr. Tony T. Dang  
Phone: 713-939-7161  
Fax: 713-462-7903

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101155-0

**AMS-NATEC Environmental Services, Inc.**

7441 Anaconda Avenue  
Garden Grove, CA 92641-2911  
Contact: Mr. Vanc Thomas  
Phone: 714-894-7577  
Fax: 714-373-1768

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101159-0

**Health & Hygiene, Inc.**

420 Gallimore Dairy Road  
Greensboro, NC 27409  
Contact: Mr. Stanley H. Garber  
Phone: 910-665-1818  
Fax: 910-665-0847  
E-Mail: 74260.3133 (Compu Serve)

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101162-0

**TerraNext**

10025 W. Technology Blvd., Suite 147  
Dallas, TX 75220  
Contact: Mr. Bakhtiar Dargali  
Phone: 214-352-9400  
Fax: 214-352-3200

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101165-0

**International Asbestos Testing Laboratory**

16000 Horizon Way, Unit 100  
Mt. Laurel, NJ 08054  
Contact: Mr. Frank E. Ehrenfeld III  
Phone: 609-231-9449  
Fax: 609-231-9818

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101168-0

**AAC Trinity, Inc.**

38855 Hills Tech Drive, Suite 550  
Farmington Hills, MI 48331  
Contact: Mr. Charles A. O'Bryan  
Phone: 810-848-9656  
Fax: 810-848-9657

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101170-0

**Gelles Laboratories, Inc.**

2836 Fisher Road  
Columbus, OH 43204-3538  
Contact: Dr. Stanley H. Gelles  
Phone: 614-276-2957  
Fax: 614-276-3441

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101172-0****Asbestos Detection Co., Inc.**

12862 Garden Grove Blvd., Suite 220  
Garden Grove, CA 92643  
Contact: Mr. Richard L. Frauenberger  
Phone: 714-530-1922  
Fax: 714-530-3756

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101185-0****SEAS, Inc.**

3089 Pandapas Pond Road  
P.O. Box 660  
Blacksburg, VA 24063-0660  
Contact: Mr. David L. Violette  
Phone: 540-951-9283  
Fax: 540-951-9282

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101187-0****ATC Environmental, Inc.**

104 E. 25th Street 10th Floor  
New York, NY 10010  
Contact: Ms. Milena Lowd  
Phone: 212-353-8280  
Fax: 212-353-3599

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101188-0****Tremco, Inc./BFGoodrich - Roofing Division**

3735 Green Road  
Beachwood, OH 44122  
Contact: Mr. Donald C. Portfolio  
Phone: 216-766-5644  
Fax: 216-229-0105

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101190-0****Pacific Environmental Services, Inc.**

560 Herndon Parkway, Suite 200  
Herndon, VA 22070-5240  
Contact: Mr. John F. Mazur  
Phone: 703-471-8383  
Fax: 703-481-8296

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101192-0****Philip Environmental Services Corp.**

210 West Sandbank Road  
P.O. Box 230  
Columbia, IL 62236-0230  
Contact: Mr. Craig M. Brooks  
Phone: 618-281-7173  
Fax: 618-281-5120

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101199-0****HYGENIX, INC.**

40 Hoyt Street  
Stamford, CT 06905-5616  
Contact: Mr. Arthur Morris  
Phone: 203-324-2222  
Fax: 203-324-9857

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101202-0

**STAT Analysis Corporation**

2201 W. Campbell Park  
Chicago, IL 60612-3501  
Contact: Mr. David Schwartz  
Phone: 312-733-0551  
Fax: 312-733-2386

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101208-0

**RJ Lee Group, Inc.**

350 Hochberg Road  
Monroeville, PA 15146-1516  
Contact: Mr. Drew R. Van Orden  
Phone: 412-325-1776  
Fax: 412-733-1799  
E-Mail: DREW@RJLG.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101208-2

**RJ Lee Group, Inc.**

Bay Area Laboratory  
530 McCormick Place  
San Leandro, CA 94577  
Contact: Benedict Schiefelbein  
Phone: 510-567-0480  
Fax: 510-567-0488

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101208-3

**RJ Lee Group, Inc.**

Manassas Laboratory  
10503 Battleview Parkway  
Manassas, VA 22110  
Contact: Monica McCloy  
Phone: 703-368-7880  
Fax: 703-368-7761

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101208-5

**RJ Lee Group, Inc.**

Houston Laboratory  
14760 Memorial Drive  
Houston, TX 77079  
Contact: Tony Rease  
Phone: 713-584-0584  
Fax: 713-584-0588

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101216-0

**CTL Environmental Services**

2905 E. Century Boulevard  
South Gate, CA 90280  
Contact: Ms. Cristina E. Tabatt  
Phone: 213-564-2641  
Fax: 213-569-7822

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101218-0

**EMS Laboratories, Inc.**

117 West Bellevue Drive  
Pasadena, CA 91105-2503  
Contact: Ms. Bernadine M. Kolk  
Phone: 818-568-4065  
Fax: 818-796-5282  
E-Mail: emslab2@aolcom

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101220-0

**Clark County School District**

Safety & Health Laboratory  
1700 Galleria Drive, Building C  
Henderson, NV 89014  
Contact: Mr. Nathan M. Lencioni  
Phone: 702-799-0989  
Fax: 702-799-0994

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101221-0

**Micro Air, Inc.**

7132 Lakeview Parkway West Drive  
Indianapolis, IN 46268-4104  
Contact: Dr. Morris L.V. French  
Phone: 317-293-1533  
Fax: 317-290-3566

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101222-0

**Enviro-Probe, Inc.**

2917 Bruckner Boulevard  
Bronx, NY 10461  
Contact: Dr. Ved P. Kukreja  
Phone: 718-863-0045  
Fax: 718-518-7454

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101224-0

**Analytical Management, Inc.**

100 Executive Park, Suite 100  
Louisville, KY 40207  
Contact: Mr. Tom DeChurch  
Phone: 502-899-3898  
Fax: 502-893-2437

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101226-0

**Law Engineering and Environmental Services, Inc.**

2801 Yorkmont Road  
P.O. Box 11297  
Charlotte, NC 28220  
Contact: Mr. Jack Coan  
Phone: 704-357-8600  
Fax: 704-357-8639

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101228-0

**The Scott Lawson Group, Ltd.**

29 River Road  
P.O. Box 3304  
Concord, NH 03302-0894  
Contact: Ms. Jennifer Rowland  
Phone: 603-228-3610  
Fax: 603-228-3871

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101229-0

**Ecologics Asbestos Laboratory Services**

4155 E. La Palma Ave., Suite 500  
Anaheim, CA 92807  
Contact: Mr. Allen Hlavacek  
Phone: 714-528-0000  
Fax: 714-524-2471

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101232-0

**ERI Consulting Engineers, Inc.**

2024 Republic Drive  
P.O. Box 2024  
Tyler, TX 75701-2024  
Contact: Ms. Kathy R. Schosek  
Phone: 903-534-5001  
Fax: 903-534-8701

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101233-0

**HIH Laboratory, Inc.**

100 East NASA Road One, Suite 210  
P.O. Box 57727  
Webster, TX 77598  
Contact: Mr. Jerry W. Bright  
Phone: 713-338-9000  
Fax: 713-338-2351

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101234-0

**Braun Intertec Corporation**

6875 Washington Avenue South  
P.O. Box 39108  
Minneapolis, MN 55439-0108  
Contact: Ms. Beth Regan  
Phone: 612-942-4828  
Fax: 612-942-4844

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101235-0

**Materials Analytical Services, Inc.**

3597 Parkway Lane, Suite 250  
Norcross, GA 30092  
Contact: Dr. William E. Longo  
Phone: 770-448-3200  
Fax: 770-368-8256

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101237-0

**State of Connecticut**

10 Clinton Street  
P.O. Box 1689  
Hartford, CT 06144-1689  
Contact: Ms. Janet B. Kapish  
Phone: 203-566-5626  
Fax: 203-566-7813

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101247-0

**Micro Analytical, Inc.**

1441 N. Mayfair Road  
Milwaukee, WI 53226  
Contact: Ms. Gail L. Duthie  
Phone: 414-771-0855  
Fax: 414-771-6570

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101249-0

**Institute for Environmental Assessment**

7101 Northland Circle  
Brooklyn Park, MN 55428-1517  
Contact: Ms. Lee Harbour  
Phone: 612-535-7721  
Fax: 612-535-9177

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101254-0****Roy F. Weston, Inc.**

1635 Pumphrey Avenue  
Auburn, AL 36830-4303  
Contact: Mr. J. Frank Burgess  
Phone: 334-826-6100  
Fax: 334-826-8232

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

**NVLAP LAB CODE 101265-0****ATEC Associates, Inc.**

5150 East 65th Street  
Indianapolis, IN 46220-4871  
Contact: Mr. Keith S. Kline  
Phone: 317-849-4990 x1806  
Fax: 317-842-7932

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101258-0****DCM Science Laboratory, Inc.**

12477 W. Cedar Drive  
Lakewood, CO 80228  
Contact: Ms. Cindy Mefford  
Phone: 303-985-1155  
Fax: 303-985-1424

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101265-2****ATEC Associates, Inc.**

11356 Mathis Avenue  
Dallas, TX 75229-3157  
Contact: Cindy Randall  
Phone: 214-556-2204  
Fax: 214-556-1753

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101261-0****Asbestos Analysis and Information Service, Inc.**

205 Providence Road  
Chapel Hill, NC 27514  
Contact: Mr. Stephen H. Westbrook  
Phone: 919-408-0048  
Fax: 919-408-0538

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 101265-8****ATEC Associates, Inc.**

9955 North West 116 Way, Suite 1  
Miami, FL 33178-5126  
Contact: Stephen Bennett  
Phone: 305-882-8200  
Fax: 305-882-1200

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101262-0****MDS Laboratories**

4418 Pottsville Pike  
Reading, PA 19605  
Contact: Mr. Fred Usbeck  
Phone: 610-921-8833  
Fax: 610-921-9667

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101265-10

**ATEC Associates, Inc.**  
 8989 Hermann Drive  
 Columbia, MD 21045-4710  
 Contact: Bharatha Lakshmi  
 Phone: 301-381-0232  
 Fax: 301-381-8908

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101269-0

**Volz Environmental Services, Inc.**  
 1200 Gulf Lab Road  
 Pittsburgh, PA 15238-1304  
 Contact: Mr. George J. Skarupa  
 Phone: 412-826-8480  
 Fax: 412-826-8488

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101270-0

**Pinchin Environmental Consultants Ltd.**  
 5749 Coopers Ave.  
 Mississauga Ontario L4Z 1R9  
 CANADA  
 Contact: Ms. Wendy Bunner  
 Phone: 905-507-4850  
 Fax: 905-507-4884  
 E-Mail: pinchin@inforamp.net

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101270-1

**Pinchin LeBlanc Environmental Ltd.**  
 300 Prince Albert Road, Suite 120  
 Dartmouth N.S. B2Y 4J2  
 CANADA  
 Contact: Kathy Coughlan  
 Phone: 902-461-9999  
 Fax: 902-461-9932

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101277-0

**ManTech Environmental Corporation**  
 1901 Research Boulevard, Suite 240  
 Rockville, MD 20850  
 Contact: Mr. Mark B. Watson  
 Phone: 301-309-3535  
 Fax: 301-210-4908

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**  
 Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101282-0

**Mystic Air Quality Consultants, Inc.**  
 1204 North Road  
 Groton, CT 06340  
 Contact: Mr. Christopher J. Eident  
 Phone: 203-449-8903  
 Fax: 203-449-8860  
 E-Mail: MAQCZ@AOL.COM

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101288-0

**University (State) Hygienic Laboratory**  
 University of Iowa  
 102 Oakdale Campus, #H101 OH  
 Iowa City, IA 52242-5002  
 Contact: Dr. George Breuer  
 Phone: 319-335-4500  
 Fax: 319-335-4555  
 E-Mail: gbreuer@uhl.uiowa.edu

**Bulk Asbestos Analysis (PLM)**  
 Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**  
 Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101289-0

**Omega Environmental Services**

125 State Street  
Hackensack, NJ 07601  
Contact: Ms. Veronica Kero  
Phone: 201-489-8700  
Fax: 201-342-4442

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101292-0

**Maxim Technologies, Inc.**

600 South 25th Street  
P.O. Box 30615  
Billings, MT 59107  
Contact: Ms. Kathleen A. Smit  
Phone: 406-248-9161  
Fax: 406-248-9282

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101295-0

**ERT Testing Services**

211 Glendale, Suite 425  
Highland Park, MI 48203  
Contact: Ms. Rose Grier  
Phone: 313-865-0600  
Fax: 313-865-8951

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101301-0

**PMK Group, Inc.**

629 Springfield Road  
Kenilworth, NJ 07033  
Contact: Mr. James Ferris  
Phone: 908-686-0044  
Fax: 908-686-0715

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101306-0

**Environmental Services, Inc.**

6404 MacCorkle Avenue  
St. Albans, WV 25177  
Contact: Mr. Eric B. Gillespie  
Phone: 304-768-2233  
Fax: 304-768-9988

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101322-0

**Daily Analytical Laboratories**

1621 W. Candletree Drive  
Peoria, IL 61614  
Contact: Mr. Stephen E. Julien  
Phone: 309-692-5252  
Fax: 309-692-0488

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101323-0

**PA DEP Bureau of Laboratories**

P.O. Box 1467  
Harrisburg, PA 17105-1467  
Contact: Mr. Floyd D. Kefford  
Phone: 717-787-4669  
Fax: 717-783-1502

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101330-0

**Allison Analytical Services, Inc.**

5900 North High Street  
Worthington, OH 43085  
Contact: Mr. Ian Chavez  
Phone: 614-438-5962  
Fax: 614-438-5963

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101331-0

**Kellco Services, Inc.**

44814 Osgood Road  
Fremont, CA 94539  
Contact: Dr. Xiaomin (Simon) Wang  
Phone: 510-659-9751  
Fax: 510-659-0147

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101332-0

**New York Testing Laboratories, Inc.**

84 Kean Street  
West Babylon, NY 11704  
Contact: Mr. Robert A. Salter  
Phone: 516-491-3800  
Fax: 516-491-4142

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101342-0

**Professional Service Industries, Inc.**

4820 West 15th Street  
Lawrence, KS 66049-3846  
Contact: Mr. Wayne Dickerson  
Phone: 913-865-9345  
Fax: 913-865-9337

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101343-0

**O'Brien & Gere Laboratories, Inc.**

5000 Brittonfield Parkway  
P.O. Box 4942  
Syracuse, NY 13221  
Contact: Mr. Michael J. Gerber  
Phone: 315-437-0200  
Fax: 315-463-7554

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101350-0

**PSI**

850 Poplar Street  
Pittsburgh, PA 15220  
Contact: Ms. Sheryl L. Kraft  
Phone: 412-922-4010 x260  
Fax: 412-922-4014

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101356-0

**Beling Consultants, Inc.**

1001 16th Street  
Moline, IL 61265  
Contact: Mr. Jeffrey A. Wasson  
Phone: 309-757-9814  
Fax: 309-757-9812

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101374-0

**BCM Engineers, Inc./Smith Environmental Technologies Corporation**

Laboratory Division  
1850 Gravers Road-West  
Norristown, PA 19401-2813  
Contact: Ms. D. Linda Cox  
Phone: 610-272-4208  
Fax: 610-272-5498

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101375-0

**Galson Laboratories**

6601 Kirkville Road  
P.O. Box 369  
East Syracuse, NY 13057  
Contact: Ms. Eva Galson  
Phone: 315-432-0506  
Fax: 315-437-0509

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101383-0

**Lockheed Martin Utility Services, Inc.**

Portsmouth Uranium Enrichment Plant  
P.O. Box 628, 3930 US Route 23  
Piketon, OH 45661  
Contact: Mr. D. K. Perez  
Phone: 614-897-5702  
Fax: 614-897-3130

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101384-0

**Health Science Associates**

10771 Noel Street  
Los Alamitos, CA 90720-2547  
Contact: Ms. Susan Rosenberg  
Phone: 714-220-3922  
Fax: 714-220-2081  
E-Mail: srosenberg@earthlink.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101399-0

**M.S.L. Guardian**

6309 Fern Valley Pass  
Louisville, KY 40228-1059  
Contact: Mr. Douglas W. Peters  
Phone: 502-964-0865  
Fax: 502-964-7681

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101410-0

**Davis & Floyd, Inc.**

816 East Durst Street  
P.O. Drawer 428  
Greenwood, SC 29649  
Contact: Mr. E. Carl Burrell, Jr.  
Phone: 864-229-4413  
Fax: 864-229-7119

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101415-0

**Larron Laboratory**

529 Broadway  
Cape Girardeau, MO 63701  
Contact: Mr. Ronald E. Farrow  
Phone: 573-334-8910  
Fax: 573-334-8910

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101421-0

**Hillmann Environmental Company**

1600 Route 22 East  
Union, NJ 07083-1597  
Contact: Ms. Marianne Hillmann  
Phone: 908-688-7800  
Fax: 908-686-2636

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101424-0

**TRC Environmental Corporation**

5 Waterside Crossing  
Windsor, CT 06095  
Contact: Mr. Lance R. Cotton  
Phone: 860-298-6326  
Fax: 860-298-6399

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101425-0

**Marine Chemist Service, Inc.**

11850 Tug Boat Lane  
Newport News, VA 23606  
Contact: Ms. Colleen Becker  
Phone: 757-873-0933  
Fax: 757-873-1074

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101440-0

**RI Analytical Laboratories, Inc.**

41 Illinois Avenue  
Warwick, RI 02888-3007  
Contact: Ms. Kellie Mulligan  
Phone: 401-737-8500  
Fax: 401-738-1970

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101428-0

**National Testing Laboratories, Inc.**

27-14 39th Avenue  
Long Island City, NY 11101-2704  
Contact: Ms. Theo Konstandt  
Phone: 718-784-2626  
Fax: 718-937-8172

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 101442-0

**ASBESTECH**

6825 Fair Oaks Blvd., Suite 103  
Carmichael, CA 95608  
Contact: Mr. Tommy Conlon  
Phone: 916-481-8902  
Fax: 916-481-3975

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101433-0

**Dames & Moore, Inc.**

5 Industrial Way  
Salem, NH 03079  
Contact: Mr. Douglas R. Lawson  
Phone: 603-893-0616  
Fax: 603-893-6240

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101455-0

**Entek Environmental & Technical Services, Inc.**

125 Defreest Drive  
Troy, NY 12180  
Contact: Mr. James Gallagher  
Phone: 800-888-9200  
Fax: 518-283-9205

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101436-0

**Occupational Health Technologies, Inc.**

2802 Janitell Road, Suite A  
Colorado Springs, CO 80906-4103  
Contact: Mr. Roger L. Gittel  
Phone: 719-540-8511  
Fax: 719-540-8541

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101457-0

**Assaigai Analytical Laboratories, Inc.**

7300 Jefferson NE  
P.O. Box 90430  
Albuquerque, NM 87199-0430  
Contact: Mr. William P. Biava  
Phone: 505-822-8061  
Fax: 505-822-8063

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101459-0

**Forensic Analytical Specialties, Inc.**

3777 Depot Road, Suite 409  
Hayward, CA 94545-2756  
Contact: Mr. David Kahane  
Phone: 510-887-8828  
Fax: 510-887-4218

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101459-1

**Forensic Analytical Specialties, Inc.**

2959 Pacific Commerce Drive  
Rancho Domingues, CA 90221  
Contact: Matilde Antillon  
Phone: 310-763-2374  
Fax: 310-763-8684

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101463-0

**Northern Testing Laboratories, Inc.**

3330 Industrial Avenue  
Fairbanks, AK 99701-7395  
Contact: Ms. Cindy L. Christian  
Phone: 907-456-3116  
Fax: 907-456-3125

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101468-0

**Inchcape Testing Services NA, Inc.**

7979 GSRI Avenue  
Baton Rouge, LA 70820  
Contact: Mr. C. Patrick Byrne  
Phone: 504-769-4900  
Fax: 504-767-5717

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101479-0

**PDR Environmental Laboratories**

2000 Lindell Avenue  
Nashville, TN 37203-5509  
Contact: Dr. A. K. Upadhyaya  
Phone: 615-298-2065  
Fax: 615-269-4119  
E-Mail: pdreng@nc5.infi.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101496-0

**Knoxville Branch Laboratory-TN Dept. Health**

East TN Regional Office  
P.O. Box 59019, 1522 Cherokee Trail  
Knoxville, TN 37950-9019  
Contact: Dr. Philip M. Baker  
Phone: 423-549-5201  
Fax: 423-594-5199

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101505-0

**Los Angeles Unified School District**

BSC Annex, Env. Health & Safety Branch  
1449 So. San Pedro Street  
Los Angeles, CA 90015  
Contact: Ms. DeeAnne Bryant  
Phone: 213-743-5086  
Fax: 213-749-8010  
E-Mail: dbryant@lausd.K12.ca.us

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101506-0

**St. Louis County Department of Health**

Environmental Health Laboratories  
111 So. Meramec  
Clayton, MO 63105-1711  
Contact: Mr. Wayne Wilhelm  
Phone: 314-854-6833  
Fax: 314-854-6648

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101510-0

**Fibertec, Inc.**

2280 Aurelius Road  
Holt, MI 48842-2165  
Contact: Mr. Matthew Frisch  
Phone: 517-699-0345  
Fax: 517-699-0388

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101514-0

**EnviroMed Services, Inc.**

25 Science Park  
New Haven, CT 06511  
Contact: Mr. Joseph Pasquariello  
Phone: 203-786-5580  
Fax: 203-786-5579

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101515-0

**Law Engineering and Environmental Services, Inc.**

4919 West Laurel Street  
Tampa, FL 33607  
Contact: Mr. Monte Hall  
Phone: 813-289-0750  
Fax: 813-289-5474

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101515-1

**Law Engineering and Environmental Services, Inc.**

5845 N.W. 158th Street  
Miami Lakes, FL 33014  
Contact: Chris DuBour  
Phone: 305-826-5588  
Fax: 305-826-1799

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101516-0

**Aetna Life & Casualty**

575 Pigeon Hill Road  
Windsor, CT 06095  
Contact: Ms. Ethel T. Patricio  
Phone: 203-683-3647  
Fax: 203-683-3746

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101523-0

**DHMH-Air Quality Laboratory**

201 West Preston Street  
P.O. Box 2355  
Baltimore, MD 21201-2355  
Contact: Dr. Prince A. Kassim  
Phone: 410-225-5838  
Fax: 410-333-5403

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101530-0

**Department of Environmental Health Industrial Hygiene Laboratory**

9325 Hazard Way  
San Diego, CA 92123-1217  
Contact: Mr. Larry Marshall  
Phone: 619-694-2232  
Fax: 619-694-3434

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101536-0

**Eagle Industrial Hygiene Associates, Inc.**

359 Dresher Road  
Horsham, PA 19044-2129  
Contact: Mr. Keith E. Crawford  
Phone: 215-672-6088  
Fax: 215-443-0899

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101539-0

**Puget Sound Naval Shipyard**

Code 134, Bldg. 371  
1400 Farragut Ave.  
Bremerton, WA 98314-5000  
Contact: Mr. Michael Heaton  
Phone: 360-476-8091  
Fax: 360-476-5587

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101545-0

**NOVA Environmental Services, Inc.**

1107 Hazeltine Boulevard, Suite 400  
Chaska, MN 55318  
Contact: Mr. Tim Wilkinson  
Phone: 612-448-9393  
Fax: 612-448-9572

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101553-0

**Barnes and Jarnis, Inc.**

25 Stuart Street, Sixth Floor  
Boston, MA 02116  
Contact: Ms. Carmen Panaitescu  
Phone: 617-542-6521  
Fax: 617-426-7992

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101558-0

**Technical Services Laboratory**

31-01 20th Avenue, Bldg. 138  
Long Island City, NY 11105-2048  
Contact: Mr. Hubert Gordon  
Phone: 718-204-4137  
Fax: 718-956-8058

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101565-0

**Northeast Test Consultants**

587 Spring Street  
P.O. Box 438  
Westbrook, ME 04092  
Contact: Ms. Laura Marles  
Phone: 207-854-3939  
Fax: 207-854-3658  
E-Mail: INFO@NETEST.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101567-0

**South Coast Air Quality Management District**

21865 E. Copley Drive  
Diamond Bar, CA 91765-4182  
Contact: Mr. Corazon B. Choa  
Phone: 909-396-2172  
Fax: 909-396-2175

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101568-0

**Stanley Engineering Inc.**

Alpha Analytical Laboratories  
2700 NW 39th Street  
Oklahoma City, OK 73112  
Contact: Mr. David Morris  
Phone: 405-948-1979  
Fax: 405-948-1964

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101572-0

**South Carolina Department of Health & Environmental Control**

Division of Air Quality Analysis  
8231 Parklane Road  
Columbia, SC 29223-4903  
Contact: Mr. Scott A. Reynolds  
Phone: 803-935-7020  
Fax: 803-935-7363

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 101578-0**

**AGX, Inc.**

50 Progress Avenue  
Cranberry Township, PA 16066  
Contact: Mr. Daniel Winkle  
Phone: 412-776-1905  
Fax: 412-776-5714

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 101580-0**

**Precision Testing Laboratories, Inc.**

1909 S. Eastern  
Moore, OK 73160-6060  
Contact: Mr. Jerry Doyle  
Phone: 405-793-1468  
Fax: 405-793-1489

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 101585-0**

**Pro-Ac, Inc.**

dba Proactive Consulting Services  
5643 Cheviot Road, Suite 3  
Cincinnati, OH 45247  
Contact: Mr. John Stirnkorb  
Phone: 513-741-0774  
Fax: 513-741-7721

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**NVLAP LAB CODE 101587-0**

**Environmental Enterprise Group(EEG), Inc.**

1305 East Main Street  
Russellville, AR 72801  
Contact: Mr. Keith Zimmerman  
Phone: 501-968-6767  
Fax: 501-968-1956

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 101588-0**

**Safety Environmental Laboratories, Inc.**

3033 Lorna Road  
P.O. Box 661076  
Birmingham, AL 35266-1076  
Contact: Ms. Rebecca J. Hicks  
Phone: 205-823-6200  
Fax: 205-823-9066

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 101593-0**

**National Environmental Reference Laboratory**

C/O US Geological Survey, MS PHL/NERL  
P.O. Box 25046  
Denver, CO 80225-0046  
Contact: Mr. Bruce Hills  
Phone: 303-236-3455 x500  
Fax: 303-236-3440

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 101594-0**

**TolTest, Inc.**

1915 North 12th Street  
P.O. Box 2186  
Toledo, OH 43603  
Contact: Mr. Samuel D. Ansara  
Phone: 419-241-7175  
Fax: 419-321-6257

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 101595-0**

**Envirotest, Inc.**

3902 Braxton  
Houston, TX 77063  
Contact: Dr. Stuart C. Williams  
Phone: 713-782-4411  
Fax: 713-782-3428

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101610-0

**AET Environmental, Inc.**

501 King Avenue  
Cherry Hill, NJ 08002  
Contact: Mr. Gary Tourscher  
Phone: 609-663-2600  
Fax: 609-486-1397

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101611-0

**Applied Environmental, Inc.**

11800 Sunrise Valley Drive, Suite 1200  
Reston, VA 22091  
Contact: Ms. Jana H. Ambrose  
Phone: 703-648-0822  
Fax: 703-648-0575

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101618-0

**Ambient Labs, Inc.**

159 West 25th Street, 8th Floor  
New York, NY 10001-7203  
Contact: Mr. William Esposito, Jr.  
Phone: 212-463-7812  
Fax: 212-463-9397

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101621-0

**Diversified Environmental Technologies, Inc.  
(D.E.T.I.)**

1501 S.E. 66th, Suite A  
Oklahoma City, OK 73149-5200  
Contact: Mr. Daniel L. Tutt  
Phone: 405-677-2442  
Fax: 405-677-4222

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101626-0

**GSC Environmental Laboratories, Inc.**

1527 Crescent Drive  
Augusta, GA 30909  
Contact: Mr. Dan D. Troutman  
Phone: 706-737-0185  
Fax: 706-737-0743

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101631-0

**Precision Environmental Services, Inc.**

14001 57th Ave. S., Suite 110  
Tukwila, WA 98168  
Contact: Mr. William F. Golloway  
Phone: 206-244-4005  
Fax: 206-244-4047

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101634-0

**Industrial Hygiene & Safety Technology, Inc.**

5025 Arapaho, Suite 370  
Dallas, TX 75248-4653  
Contact: Mr. Tracy K. Bramlett  
Phone: 214-392-9340  
Fax: 214-392-9470

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101646-0

**Eastern Analytical Services, Inc.**

4 Westchester Plaza  
Elmsford, NY 10523-1601  
Contact: Mr. Paul Stascavage  
Phone: 914-592-8380  
Fax: 914-592-8956  
E-Mail: PaulS@EASInc.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101649-0

**Asbestos Consulting & Testing (ACT)**

14953 West 101st Terrace  
Lenexa, KS 66215  
Contact: Mr. Jim A. Pickel  
Phone: 913-492-1337  
Fax: 913-492-1392

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101656-0

**Precision Micro-Analysis, Inc.**

3463 Ramona Avenue, Suite 16  
Sacramento, CA 95826-3827  
Contact: Mr. David G. Fisher  
Phone: 916-456-4892  
Fax: 916-456-1082  
E-Mail: dreed@ns.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101661-0

**West Allis Memorial Hospital**

Industrial Toxicology Laboratory  
8901 W. Lincoln Avenue  
West Allis, WI 53227  
Contact: Dr. Leon A. Saryan  
Phone: 414-328-7945  
Fax: 414-328-8560

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101671-0

**ATOKA, Inc.**

11701 I-30, Bldg. 1, Ste. 119  
Little Rock, AR 72209  
Contact: Mr. Joe D. Henry  
Phone: 501-455-1700  
Fax: 501-455-1864

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101672-0

**TC Analytics, Inc.**

1200 Boissevain Ave.  
Norfolk, VA 23507  
Contact: Mr. Steven J.E. Long  
Phone: 804-627-0400  
Fax: 804-627-1118

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101675-0

**PHH Environmental Limited**

Suite 100 - 10551 Shellbridge Way  
Richmond, British Columbia V6X 2W9  
CANADA  
Contact: Mr. Mike Wetklo  
Phone: 604-244-8101  
Fax: 604-244-8491

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101703-0

**National Enforcement Investigations Center - U.S. EPA**

Box 25227 Bldg. 53, Denver Federal Ctr.  
Denver, CO 80225  
Contact: Ms. Peggy J. Forney  
Phone: 303-236-5132 x267  
Fax: 303-236-5116

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101704-0

**Allegheny Asbestos Analysis**

101 South Central Ave., Suite 100  
Canonsburg, PA 15317-9998  
Contact: Mr. Timothy Daniels  
Phone: 412-873-4580  
Fax: 412-873-4585

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101724-0

**TAKA Analytical Services, Inc.**

8 Pine Hill Court  
Northport, NY 11768  
Contact: Mr. Thomas A. Kubie  
Phone: 516-261-2117  
Fax: 516-261-2120

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101727-0

**KETER Consultants, Inc.**

8270 Archer Avenue  
Willow Springs, IL 60480  
Contact: Mr. Richard J. Langenderfer  
Phone: 708-839-1338  
Fax: 708-839-6970

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101732-0

**United Analytical Services, Inc.**

4413 West Roosevelt Road, Suite 108  
Hillside, IL 60162-2057  
Contact: Ms. Jean Kinnane  
Phone: 708-449-0070  
Fax: 708-449-9582

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101735-0

**Jimmie Ann Bolton**

2105 Nathan Drive  
Austin, TX 78728  
Contact: Ms. Jimmie Ann Bolton  
Phone: 512-251-8388  
Fax: 512-251-8388

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101749-0

**ComEd**

System Materials Analysis Department  
555 S. Joliet Road  
Bolingbrook, IL 60440  
Contact: Mr. Steven Scalcucci  
Phone: 630-783-3610  
Fax: 630-783-3606  
E-Mail: smass@ccmail.ceco.co

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101755-0

**PSI**

(formerly B&D Materials Testing Corp.)  
9 East 37th Street, 8th Floor  
New York, NY 10016  
Contact: Mr. Devaraj Vijayakumar (VJ)  
Phone: 212-889-0294  
Fax: 212-889-0493

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101759-0

**EG&G Environmental Health PLM Laboratory**

BOC-022  
Kennedy Space Center, FL 32899  
Contact: Mr. James Taffer  
Phone: 407-867-2400  
Fax: 407-867-3694

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101768-0

**Carolina Environmental, Inc.**

1401-F Diggs Drive  
Raleigh, NC 27603  
Contact: Mr. C. Britt Wester  
Phone: 919-755-0000  
Fax: 919-836-9999

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101771-0

**Asbestos Analytical**

2519 North Walnut Avenue  
Tucson, AZ 85712-2414  
Contact: Dr. John McLean  
Phone: 520-323-7644  
Fax: 520-323-7644

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101775-0

**Evans Environmental & Geological Science and Management, Inc.**

99 SE 5th Street, 4th Floor  
Miami, FL 33131-2545  
Contact: Mr. Silvio J. Sandino  
Phone: 305-374-8300  
Fax: 305-374-9004

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101781-0

**Covino Environmental Associates, Inc.**

300 Wildwood Avenue  
Woburn, MA 01801  
Contact: Ms. Ann D. Eckmann  
Phone: 617-933-2555  
Fax: 617-932-9402

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101782-0

**North American Analytical Labs, Inc.**

154 Caddo Drive, Suite B  
P.O. Box 6865  
Abilene, TX 79608-6865  
Contact: Mr. Denny E. Walker  
Phone: 915-691-0172  
Fax: 915-692-2927

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101784-0

**Mountaineer Testing Laboratories, Inc.**

425 1/2 N. Jefferson Street  
P.O. Box 767  
Lewisburg, WV 24901-0767  
Contact: Mr. Robert L. Dillon III  
Phone: 304-645-7114  
Fax: 304-647-5950

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101793-0

**A & B Environmental Services, Inc.**

1643 Federal Road  
Houston, TX 77015  
Contact: Mr. Robert L. Voorhies  
Phone: 713-453-6060  
Fax: 713-453-6091  
E-Mail: aandblab@flash.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101803-0

**CAMCO Lab**

11040 Rose Avenue  
Fontana, CA 92335  
Contact: Ms. Pamela Landreth  
Phone: 909-428-3099  
Fax: 909-428-3098

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101807-0

**EnvironMETeo Services Inc.**

94-515 Ukee Street, Suite 304  
Waipahu, HI 96797  
Contact: Mr. Clifford How  
Phone: 808-671-8383  
Fax: 808-671-7979  
E-Mail: putter@aloha.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101820-0

**GCI Environmental Advisory, Inc.**

165 Darling Street  
Wilkes-Barre, PA 18701  
Contact: Mr. James Grond  
Phone: 717-823-9069  
Fax: 717-823-9240

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101832-0

**A.R.C. Laboratories, Inc.**

1323 9th Avenue South  
Grand Forks, ND 58201  
Contact: Mr. Joseph J. Worman  
Phone: 701-772-6496  
Fax: 701-772-6416

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101847-0

**Law Engineering and Environmental Services, Inc.**

4465 Brookfield Corporate Drive  
Chantilly, VA 20151  
Contact: Mr. Ronald M. Combs  
Phone: 703-968-4700  
Fax: 703-968-4778

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 101848-0

**Environmental Testing, Inc.**

100 South Cass Street  
P.O. Box 138  
Middletown, DE 19709-0138  
Contact: Mr. Gary A. Hayes  
Phone: 302-378-9881  
Fax: 302-378-9882

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101853-0

**RCM Laboratories, Inc.**

9431 W. Ogden Avenue, Suite 2E  
Brookfield, IL 60513-1819  
Contact: Dr. Tianbao Bai  
Phone: 708-485-8600  
Fax: 708-485-8607

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101855-0

**Analytical Industries, Inc.**

6025 Kentucky Dam Road  
P.O. Box 3327  
Paducah, KY 42003  
Contact: Mr. Steve Stamper  
Phone: 502-898-8683  
Fax: 502-898-3531

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101864-0

**Design for Health, Inc.**

1516 West Redwood, Suite 104  
San Diego, CA 92101  
Contact: Mr. Kabir Shefa  
Phone: 619-291-1777  
Fax: 619-291-4318

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101868-0

**AIRResearch, Inc.**

Environmental Consultants and Laboratory  
2969 N. 114th Street  
Wauwatosa, WI 53222  
Contact: Mr. Jon Yakish  
Phone: 414-476-3131  
Fax: 414-476-2201  
E-Mail: JONMAURA@EXECPC.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101869-0

**Northwest Envirocon, Inc.**

7410 Delaware Lane  
Vancouver, WA 98664  
Contact: Mr. Robert Roberson  
Phone: 501-228-9556  
Fax: 501-228-0926

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101869-2

**Northwest Envirocon, Inc.**

503 W. State St., Suite #4  
Muscle Shoals, AL 35661  
Contact: Steven Milligan  
Phone: 205-389-9856  
Fax: 205-389-9647

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101870-0

**Sun City Analytical, Inc.**

1409 Montana  
El Paso, TX 79902  
Contact: Ms. Priscilla Acuna  
Phone: 915-533-8840  
Fax: 915-533-8843

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101871-0

**Apollo Environmental, Inc.**

11553 U.S. Highway 41 South  
P.O. Box 239  
Gibsonton, FL 33534-9720  
Contact: Ms. Patricia Mitchell  
Phone: 813-671-3999  
Fax: 813-677-3422

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101872-0

**Micro Analytical Laboratories, Inc.**

5900 Hollis Street, Suite M  
Emeryville, CA 94608-2008  
Contact: Dr. Yianping Li  
Phone: 510-653-0824  
Fax: 510-653-1361

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101882-0

**Environmental Hazards Services, Inc.**

7469 White Pine Road  
Richmond, VA 23237  
Contact: Mr. Eugene Buie  
Phone: 804-275-4788  
Fax: 804-275-4907  
E-Mail: RickB@envlab.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101884-0

**Concord Analysis, Inc.**

9960 Canoga Ave., Suite D8  
Chatsworth, CA 91311-6704  
Contact: Ms. Johanna Fann  
Phone: 818-407-0128  
Fax: 818-882-9409

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101886-0

**Prezant Associates, Inc.**

330 Sixth Avenue North, Suite 200  
Seattle, WA 98109  
Contact: Ms. Gail Gislason  
Phone: 206-281-8858  
Fax: 206-281-8922  
E-Mail: ggislason@prezant.wa.com

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**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101888-0**

**Asbestos Control Program Laboratory**

96-05 Horace Harding Expressway, 6th Fl.

Corona, NY 11368-5107

Contact: Mr. Leonard Atteloney

Phone: 718-595-6309

Fax: 718-595-6307

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101895-0**

**McCall and Spero Environmental, Inc.**

13005 Middletown Industrial Blvd.

Suite H

Louisville, KY 40223

Contact: Ms. June M. Thomas

Phone: 502-244-7135

Fax: 502-244-7136

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**NVLAP LAB CODE 101890-0**

**Mountain Laboratories**

2310 North Cherry Street, Suite 100

Spokane, WA 99216

Contact: Mr. Wade K. Johnston

Phone: 406-728-7755

Fax: 406-728-7367

E-Mail: mcswade@ism.net

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

**NVLAP LAB CODE 101896-0**

**Reservoirs Environmental Services, Inc.**

1827 Grant Street

Denver, CO 80203

Contact: Ms. Jeanne Spencer Orr

Phone: 303-830-1986

Fax: 303-863-9196

---

**NVLAP LAB CODE 101891-0**

**Asbestos TEM Laboratories, Inc.**

1409 Fifth Street, Suite C

Berkeley, CA 94710

Contact: Mr. R. Mark Bailey

Phone: 510-528-0108

Fax: 510-528-0109

E-Mail: MBaileyASB@aol.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101896-1**

**Reservoirs Environmental Services, Inc.**

1147 Brittmore Road

Houston, TX 77043

Contact: Nannette Tyler

Phone: 713-932-0015

Fax: 713-984-0963

---

**NVLAP LAB CODE 101894-0**

**Midwest Laboratories, Inc.**

6246 Joliet Road, Suite 4

Countryside, IL 60525

Contact: Mr. James P. Hahn

Phone: 708-354-7117

Fax: 708-354-7142

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

**NVLAP LAB CODE 101902-0**

**E. M. Analytical, Inc.**

8000 North Ocean Drive

Dania, FL 33004-3078

Contact: Ms. Pat Blackwelder

Phone: 305-751-1184

Fax: 954-921-6747

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

**NVLAP LAB CODE 101904-0**

**Scientific Laboratories, Inc.**

477 Southlake Boulevard

Richmond, VA 23236

Contact: Dr. Thomas R. McKee

Phone: 804-379-1084

Fax: 804-379-1087

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

**NVLAP LAB CODE 101904-1**

**Scientific Laboratories, Inc.**

117 East 30th Street

New York, NY 10016

Contact: Dr. Robert Tompkins

Phone: 212-679-8600

Fax: 212-679-9392

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

**NVLAP LAB CODE 101909-0**

**Analytical Labs San Francisco, Inc.**

467 Potrero Avenue

San Francisco, CA 94110

Contact: Ms. Olga Kist

Phone: 415-552-4595

Fax: 415-552-0730

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

**NVLAP LAB CODE 101910-0**

**PBS Environmental Building Consultants, Inc.**

1220 SW Morrison Street, Suite 600

Portland, OR 97205-2225

Contact: Mr. Rollie Champe

Phone: 503-248-1939

Fax: 503-248-0223

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

**NVLAP LAB CODE 101917-0**

**DataChem Laboratories**

4388 Glendale-Milford Road

Cincinnati, OH 45242-3706

Contact: Ms. Anna Marie Ristich

Phone: 513-733-5336

Fax: 513-733-5347

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

---

**NVLAP LAB CODE 101920-0**

**Lab/Cor, Inc.**

7619 6th Avenue, NW

Seattle, WA 98117

Contact: Mr. John Harris

Phone: 206-781-0155

Fax: 206-789-8424

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101926-0

**Environmental Management Consultants, Inc.**

4455 E. Camelback Rd., Suite D-155  
Phoenix, AZ 85018-2847  
Contact: Mr. Kurt A. Kettler  
Phone: 602-840-8012  
Fax: 602-990-8468

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101937-0

**Environmental Testing Laboratories, Inc.**

208 Route 109  
Farmingdale, NY 11735  
Contact: Mr. Daniel J. Spandau  
Phone: 516-249-1456  
Fax: 516-249-8344

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101940-0

**Terra-Mar, Inc.**

2400 Gravel Drive #25  
Fort Worth, TX 76118-6935  
Contact: Mr. Michael J. Lee  
Phone: 817-284-9363  
Fax: 817-284-9430

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 101941-0

**Kevco Services, Inc.**

890 Pittsburgh Road  
Butler, PA 16001  
Contact: Mr. George M. Beck  
Phone: 412-586-6343  
Fax: 412-586-2172

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101948-0

**MACS Lab, Inc.**

2070A Walsh Avenue  
Santa Clara, CA 95050-2531  
Contact: Mr. James A. Richards  
Phone: 408-727-9727  
Fax: 408-727-7065

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 101949-0

**LEX Scientific Inc.**

2 Quebec Street, Suite 204  
Guelph Ontario N1H 2T3  
CANADA  
Contact: Mr. Michael Hoffbauer  
Phone: 519-824-7082  
Fax: 519-824-5784

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 101950-0

**WKP Laboratories, Inc.**

46 South Highland Avenue  
Ossining, NY 10562  
Contact: Mr. Fabio J. Pedone  
Phone: 914-941-1023  
Fax: 914-941-7359

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 101953-0

**JLC Environmental Consultants, Inc.**

200 Park Avenue South, Suite 1001  
New York, NY 10003  
Contact: Mr. Bing Liang  
Phone: 212-420-8119  
Fax: 212-420-6092

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued**

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**NVLAP LAB CODE 101958-0**

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**Athenica Environmental Services, Inc.**

45-09 Greenpoint Avenue  
Long Island City, NY 11104  
Contact: Mr. Spiro Dongaris  
Phone: 718-784-7490  
Fax: 718-784-4085

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 101959-0**

---

**QuanTEM Laboratories, LLC**

2033 Heritage Park Drive  
Oklahoma City, OK 73120-7579  
Contact: Dr. Ernest L. Koerner  
Phone: 405-755-7272  
Fax: 405-755-2058  
E-Mail: QuanTEMLab@AOL.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

---

**NVLAP LAB CODE 101965-0**

---

**Bell Laboratories, Division Lucent Technologies, Inc.**

P.O. Box 636, 600 Mountain Avenue  
Murray Hill, NJ 07974-0636  
Contact: Mr. Michael Glowatz  
Phone: 908-582-4143  
Fax: 908-582-7233  
E-Mail: mg@lucent.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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**NVLAP LAB CODE 101966-0**

---

**Delta Environmental Consultants, Inc.**

3900 Northwoods Drive, Suite 200  
St. Paul, MN 55112-6966  
Contact: Ms. Corine B. Goodrich  
Phone: 612-486-5774  
Fax: 612-486-8021

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

**NVLAP LAB CODE 101967-0**

---

**NY Environmental & Material Testing Laboratories, Inc.**

88 Harbor Road  
Port Washington, NY 11050  
Contact: Mr. Li Tsang  
Phone: 516-944-9500  
Fax: 516-944-9507  
E-Mail: LTSANG@NTP.NET

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101970-0**

---

**PSI**

500 West Central Avenue, Suite A  
Brea, CA 92621  
Contact: Ms. Celia Marini  
Phone: 714-671-1072  
Fax: 714-529-7229

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

**NVLAP LAB CODE 101973-0**

---

**Law Engineering and Environmental Services, Inc.**

7616 LBJ Freeway, Suite 600  
Dallas, TX 75251  
Contact: Mr. John R. Cates  
Phone: 214-934-0800  
Fax: 214-934-1429

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 101974-0**

---

**Rapid Environmental Management, Inc.**

171 Great Neck Road  
Great Neck, NY 11021  
Contact: Mr. Joseph Sterinbach  
Phone: 516-482-3003  
Fax: 516-482-3076

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101977-0

**ACM Environmental, Inc.**

229 South Michigan Street  
South Bend, IN 46601  
Contact: Mr. Michael A. Dials  
Phone: 219-234-8435  
Fax: 219-234-6800

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101987-0

**Environmental Support Services, Inc.**

1701 N. Greenville, Suite 404  
Richardson, TX 75081  
Contact: Mr. Charles R. Baugh  
Phone: 214-238-5227  
Fax: 214-238-8803

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 101988-0

**Asbestech Laboratories, Inc.**

2301 NW 33rd Court, Suite 115  
Pompano Beach, FL 33069-1000  
Contact: Ms. Carole J. Anzalone  
Phone: 954-969-0780  
Fax: 954-979-2111

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 101990-0

**Iowa Environmental Services, Inc.**

4801 Grand Avenue  
Des Moines, IA 50312  
Contact: Mr. Richard E. Soyler  
Phone: 515-279-8042  
Fax: 515-279-1853

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101991-0

**Environmental Science & Engineering, Inc.**

2 Inverness Drive East, Suite 201  
Englewood, CO 80112  
Contact: Ms. Melinda K. Ryan  
Phone: 303-790-0770  
Fax: 303-790-4411  
E-Mail: melinda\_ryan+aden-con%ese@mcimail.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 101996-0

**GA Environmental Services, Inc.**

401 Baldwin Tower  
1510 Chester Pike  
Eddystone, PA 19022  
Contact: Ms. Delores S. Beard  
Phone: 610-874-7405  
Fax: 610-874-7823

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 101997-0

**Hygieneering, Inc.**

7948 S. Madison  
Burr Ridge, IL 60521  
Contact: Mr. Nelson Gray  
Phone: 708-654-2550  
Fax: 708-789-3813

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

---

NVLAP LAB CODE 102000-0

**Louisiana Department of Environmental Quality  
Microanalytical Lab**

Microanalytical Lab  
11720 Airline Highway  
Baton Rouge, LA 70817-4401  
Contact: Ms. Pamela D. Ellis  
Phone: 504-295-8907  
Fax: 504-295-8932

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102001-0

**Testing Mechanics Corp.**

3770 Merrick Road  
Seaford, NY 11783-2815  
Contact: Mr. Kevin Tumulty  
Phone: 516-221-3800  
Fax: 516-221-3810

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102003-0

**GLE Associates, Inc.**

601 Bayshore Boulevard, Suite 600  
Tampa, FL 33606  
Contact: Mr. James Watson  
Phone: 813-258-8350  
Fax: 813-258-8737

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102005-0

**University of Alabama Asbestos Laboratory**

Bryant Drive - Martha Phurm West  
P.O. Box 870388  
Tuscaloosa, AL 35487-0388  
Contact: Mr. John A. Sikes  
Phone: 205-348-4667  
Fax: 205-348-9286

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102006-0

**Solar Environmental Services, Inc.**

1131 E. 76th Avenue, Suite 102  
Anchorage, AK 99518  
Contact: Ms. Gracita O. Torrijos  
Phone: 907-349-7705  
Fax: 907-349-7944

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102008-0

**Micro Air of Texas, Inc.**

1052 Hercules Drive  
Houston, TX 77058  
Contact: Mr. Eric Eitzen  
Phone: 713-280-9965  
Fax: 713-280-9847

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102010-0

**Fluor Daniel Fernald, Inc.**

P.O. Box 538704  
Cincinnati, OH 45253-8704  
Contact: Mr. Chris Sutton  
Phone: 513-648-5441  
Fax: 513-648-5451

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102011-0

**Airtek Environmental Corp.**

39 West 38th Street, 7th Floor  
New York, NY 10018  
Contact: Mr. Saad Zouak  
Phone: 212-768-0516  
Fax: 212-768-0759

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102012-0

**JMS Environmental Associates, Ltd.**

816 Burr Oak Drive  
Westmont, IL 60559  
Contact: Mr. John Aschbacher  
Phone: 630-655-8500  
Fax: 630-655-8724

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102013-0

**Hi-Tech Environmental and Laboratory Services**

5396 Lincoln Ave., Suite A  
Cypress, CA 90630  
Contact: Ms. Gwenda Hatcher  
Phone: 714-827-0693  
Fax: 714-827-0695

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102015-0

**ABM Environmental Consultants, Inc.**

32-08 38th Ave., Suite 201  
Long Island City, NY 11101  
Contact: Mr. Victor Khanin  
Phone: 516-487-1919  
Fax: 516-487-1840

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102020-0

**Los Angeles Harbor Department Testing Laboratory**

P.O. Box 786, Berth 161  
Wilmington, CA 90744-6499  
Contact: Mr. George Horeczko  
Phone: 310-732-3976  
Fax: 310-835-5717

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

---

NVLAP LAB CODE 102021-0

**Safe Environment of America**

dba Med-Tox Northwest  
19032 66th Avenue S., #C-105  
Kent, WA 98032  
Contact: Ms. Carol Evans  
Phone: 206-656-2920  
Fax: 206-656-2924

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102025-0

**OCCU-TEC, Inc.**

6700 Corporate Drive, Suite 130  
Kansas City, MO 64120  
Contact: Mr. Geoffrey Smith  
Phone: 816-231-5580  
Fax: 816-231-5641

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102027-0

**Williams & Associates, Inc.**

460 Tennessee Street  
Memphis, TN 38103-4400  
Contact: Ms. Lou G. Boykins  
Phone: 901-528-1939  
Fax: 901-526-7039

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102029-0

**Environmental Service Group**

DBA Astbury/Gabriel Corp.  
5933 W. 71st Street  
Indianapolis, IN 46278  
Contact: Ms. Mary Dunlap  
Phone: 317-290-1471  
Fax: 317-290-1670

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102031-0

**ATC Environmental, Inc.**

5031 South Ulster, Suite 100  
Denver, CO 80237-2806  
Contact: Mr. Daniel Benecke  
Phone: 303-793-9939  
Fax: 303-793-0609

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102033-0

**Analytical Environmental Services, Inc.**

3781 Presidential Parkway, Suite 111  
Atlanta, GA 30340  
Contact: Mr. Mehmet Yildirim  
Phone: 770-457-8177  
Fax: 770-457-8188

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

---

NVLAP LAB CODE 102035-0

**Law/Crandall**

4634 S. 36th Place  
Phoenix, AZ 85040  
Contact: Mr. Michael A. Cook  
Phone: 602-437-0250  
Fax: 602-437-3675

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102041-0

**R. Robinson Analytical Services, Inc.**

1960 Peyton Drive  
Pensacola, FL 32503  
Contact: Mr. William F. Robin Robinson  
Phone: 904-438-5552  
Fax: 904-432-7394

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102043-0

**Water, Earth Solutions & Technologies, Inc.**

17130 Dallas Parkway, Suite 170  
Dallas, TX 75248-1139  
Contact: Mr. Karl Schul  
Phone: 214-248-9047  
Fax: 214-248-0323

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102044-0

**Loflin Environmental Services**

2020 Montrose, Suite 100  
Houston, TX 77006  
Contact: Mr. James Murray  
Phone: 713-521-3300  
Fax: 713-523-0829

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102046-0

**Criterion Laboratories, Inc.**

3370 Progress Drive, Suite J  
Bensalem, PA 19020  
Contact: Ms. Parvaneh S. Sulon  
Phone: 215-244-1300  
Fax: 215-244-4349

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102047-0

**KAM Consultants**

5-17 48th Avenue  
Long Island City, NY 11101  
Contact: Mr. George Kouvaras  
Phone: 718-729-1997  
Fax: 718-729-1876

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

---

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102050-0

**Occupational Health Conservation, Inc.**

1840 Southside Blvd., Suite 3C  
Jacksonville, FL 32216-0317  
Contact: Mr. Herman M. Appelman  
Phone: 904-725-8279  
Fax: 904-721-2809

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102053-0

**Dove Environmental Corporation**

6175 N.W. 153rd Street, Suite 300  
Miami Lakes, FL 33014  
Contact: Mr. Rajendranath Ramnath  
Phone: 305-556-1220  
Fax: 305-556-1650

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102061-0

**Omni Environmental, Inc.**

13740 Research Blvd., Suite H-5  
Austin, TX 78750  
Contact: Mr. Joseph Mink  
Phone: 512-258-9114  
Fax: 512-258-9115  
E-Mail: jmink@comland.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102056-0

**Steve Moody Micro Services, Inc.**

1510 Randolph, Suite #602  
Carrollton, TX 75006  
Contact: Mr. Steve Moody  
Phone: 214-446-9482  
Fax: 214-446-9870

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102062-0

**National Econ Corporation**

18552 MacArthur Boulevard, Suite 101  
Irvine, CA 92612  
Contact: Mr. Mark S. Ervin  
Phone: 714-752-5866  
Fax: 714-752-4054  
E-Mail: <http://nationaleconcorp.com>

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102057-0

**Niche Analysis, Inc.**

6 Gramatan Avenue, Suite 404  
Mount Vernon, NY 10550  
Contact: Dr. Thomas Palackal  
Phone: 914-663-8937  
Fax: 914-663-8782

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

---

NVLAP LAB CODE 102063-0

**NVL Laboratories, Inc.**

1211 N. 41st Street  
Seattle, WA 98103  
Contact: Mr. Nghiep Vi Ly  
Phone: 206-634-1879  
Fax: 206-634-1936  
E-Mail: [munaf@aol.com](mailto:munaf@aol.com)

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 102060-0

**Froehling & Robertson, Inc.**

3015 Dumbarton Road  
P.O. Box 27524  
Richmond, VA 23261-7524  
Contact: Mr. Jeffrey M. Hudson  
Phone: 804-264-2701  
Fax: 804-264-1202

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102064-0

**GPU Nuclear Chemistry/Materials Labs.**

Route 183 & Van Reed Road  
P.O. Box 15152  
Reading, PA 19612-5152  
Contact: Mr. Barry Llewellyn  
Phone: 610-375-5494  
Fax: 610-375-5298

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

---

NVLAP LAB CODE 102065-0

**WMI Environmental Services**

1919 Factory Street  
P.O. Box 50209  
Kalamazoo, MI 49005-0209  
Contact: Mr. Phillip A. Peterson  
Phone: 616-382-4154  
Fax: 616-382-4161

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

---

NVLAP LAB CODE 102068-0

**Hygeia Environmental Inc.**

35 Enterprise Drive  
Dedham, MA 02026  
Contact: Mr. Richard K. Bowen  
Phone: 617-326-9995  
Fax: 617-326-2013

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

---

NVLAP LAB CODE 102071-0

**ATC Associates Inc.**

11121 Canal Road  
Cincinnati, OH 45241  
Contact: Mr. Mark Sturgeon  
Phone: 513-771-2112  
Fax: 513-782-6920

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102073-0

**Triad, Inc.**

309 3rd Avenue  
Huntington, WV 25701  
Contact: Mr. Brian E. Galligan  
Phone: 304-523-2195  
Fax: 304-523-2197

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

---

NVLAP LAB CODE 102075-0

**S&ME, Inc.**

9751 Southern Pine Boulevard  
P.O. Box 7668  
Charlotte, NC 28241-7668  
Contact: Mr. Charles J. Brockman  
Phone: 704-523-4726  
Fax: 704-525-3953

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102077-0

**Henderson/Longfellow Associates, Inc.**

611 East Bloomingdale Ave., Suite B  
Brandon, FL 33511  
Contact: Mr. John J. Henderson  
Phone: 813-661-7231  
Fax: 813-661-7083

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102078-0

**FRS Geotech, Inc.**

1441 West 46th Avenue, Suite 14  
Denver, CO 80211-2338  
Contact: Mr. Ed Raines  
Phone: 303-477-2559  
Fax: 303-477-2580  
E-Mail: frsgeo@ix.netcom.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

---

NVLAP LAB CODE 102079-0

**Recon Environmental Corp.**

25 Mathewson Drive  
Weymouth, MA 02189-2346  
Contact: Mr. Russell D. Cox  
Phone: 617-337-7887  
Fax: 617-337-8237

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102080-0

**National Analytical Laboratories, Inc.**

503 Giuseppe Court #8  
Roseville, CA 95678  
Contact: Mr. David Melton  
Phone: 916-786-7555  
Fax: 916-786-7459

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102081-0

**Legend Technical Services, Inc.**

775 Vandalia Street  
St. Paul, MN 55114  
Contact: Ms. Cheryl Sykora  
Phone: 612-642-1150  
Fax: 612-642-1239

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102082-0

**Geo-Analytical Services, Inc.**

3125 Marjan Drive  
Atlanta, GA 30340  
Contact: Dr. A. Mohamad Ghazi  
Phone: 770-454-6333  
Fax: 770-451-3151

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 102083-0

**Twin Ports Testing, Inc.**

1301 N. 3rd Street  
Superior, WI 54880-1131  
Contact: Ms. Linda K. Thiry  
Phone: 715-392-7114  
Fax: 715-392-7163  
E-Mail: TPT@GNN.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102085-0

**Muranaka Environmental Consultants, Inc.**

801 Moowaa Street  
P.O. Box 4341  
Honolulu, HI 96812  
Contact: Mr. Mark T. Muranaka  
Phone: 808-848-8866  
Fax: 808-847-5267  
E-Mail: MMURANAKA@AOL.COM

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 102086-0

**Dolphin Environmental Consultants**

10701 Corporate Drive, Suite 195  
Stafford, TX 77477  
Contact: Mr. Joseph Bury  
Phone: 713-240-4646  
Fax: 713-240-5659

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102087-0

**ATEC Associates, Inc.**

1300 Williams Drive, Suite A  
Marietta, GA 30066-6299  
Contact: Mr. Clayton Call  
Phone: 770-427-9456  
Fax: 770-514-6966

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102089-0

**Alpine Consulting, Inc.**

1602 South Murray Blvd.  
Colorado Springs, CO 80916  
Contact: Mr. Kevin R. Weaver  
Phone: 719-591-2535  
Fax: 719-591-2536

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102090-0

**Bay Area Air Quality Management District**

939 Ellis Street  
San Francisco, CA 94109  
Contact: Mr. Rudy Zerrudo  
Phone: 415-749-4629  
Fax: 415-749-5101

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102091-0

**Converse Consultants MR, Inc.**

4840 Mill Street #5  
Reno, NV 89502  
Contact: Mr. Dan R. Dolk  
Phone: 702-856-3833  
Fax: 702-856-3513

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102093-0

**EssTek Ohio, Inc.**

6950 Engle Road #B  
Cleveland, OH 44130-3420  
Contact: Mr. Patrick J. Kilbane  
Phone: 216-826-4220  
Fax: 216-826-3841

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102095-0

**Milan Asbestos Laboratory**

250 Main Street  
P.O. Box 200  
Milan, MN 56262  
Contact: Ms. Julie B. Trelstad  
Phone: 612-734-4406  
Fax: 612-734-4407

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 102096-0

**Testwell Craig Laboratories & Consultants, Inc.**

3731 S.W. 47th Avenue, Suite 401  
Davie, FL 33314  
Contact: Mr. Anthony Porcello  
Phone: 954-584-4475  
Fax: 954-584-3887

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 102098-0

**GHP Laboratories**

217 Fifth Avenue North  
Nashville, TN 37219-0000  
Contact: Mr. Gregory D. Boothe  
Phone: 615-254-8500  
Fax: 615-256-3439

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 102100-0

**Detail Associates, Inc.**

300 Grand Avenue  
Englewood, NJ 07631  
Contact: Dr. Ping J. Chen  
Phone: 201-569-6708  
Fax: 201-569-4378

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 102101-0

**Taylor Environmental Group, Inc.**

110 Jericho Turnpike  
Floral Park, NY 11001  
Contact: Mr. George Taylor  
Phone: 516-358-2955  
Fax: 516-358-1780

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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**NVLAP LAB CODE 102102-0****American Electric Power Service Corporation**

Environmental Laboratory  
1 Riverside Plaza  
Columbus, OH 43215-2373  
Contact: Mr. Geoffrey E. Campbell  
Phone: 614-836-4210  
Fax: 614-836-4168

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 102104-0****EMSL Analytical, Inc.**

620-G Guilford College Road  
Greensboro, NC 27409  
Contact: Mr. Ronald K. Mahoney  
Phone: 910-297-1487  
Fax: 910-297-1676

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 102105-0****Vortex Inc./DBA V-Lab**

20 Altieri Way #4  
Warwick, RI 02886  
Contact: Mr. Donald Pellegrino  
Phone: 401-738-7710  
Fax: 401-738-7869

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 102106-0****EMSL Analytical, Inc.**

2501 Central Parkway, Suite C-13  
Houston, TX 77092  
Contact: Mr. Lee W. Poye  
Phone: 713-686-3635  
Fax: 713-686-3645

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 102107-0****Scope Laboratory**

1416 Westwood Blvd., Suite #201  
Los Angeles, CA 90024  
Contact: Miss Niloo Mahdi  
Phone: 310-475-3337  
Fax: 310-475-7127

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 102108-0****m.a.c. Paran Consulting Services, Inc.**

Analytical Laboratory  
325 West Ohio Pike, Suite 202  
Amelia, OH 45102  
Contact: Mr. Daniel T. Woody  
Phone: 513-752-9111  
Fax: 513-752-7973

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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**NVLAP LAB CODE 102110-0****Bellatrix Analytical Laboratories, LLC**

8300 N. Hayden Rd. Suite a-103  
Scottsdale, AZ 85258  
Contact: Mr. Mark J. Guatney  
Phone: 602-483-1500  
Fax: 602-483-1516

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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**NVLAP LAB CODE 102111-0****Cape Environmental Management, Inc.**

2302 Parklake Drive, Suite 200  
Atlanta, GA 30345-2907  
Contact: Mr. Aleksey Reznik  
Phone: 770-908-7200  
Fax: 770-908-7219

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102112-0

**Oklahoma Dept. of Environmental Quality-State  
Environmental Lab**

1000 NE 10th Street  
Oklahoma City, OK 73117-1212  
Contact: Mr. Chris Armstrong  
Phone: 405-271-5240  
Fax: 405-271-1836  
E-Mail: CHRIS.Armstrong@OKlaosf.state.ok.us

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

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NVLAP LAB CODE 102113-0

**MRS., Analytical Laboratory, Inc.**

233 W. Broadway, Suite #504  
Louisville, KY 40202  
Contact: Mr. Winterford Mensah  
Phone: 502-568-2088  
Fax: 502-491-7111

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102114-0

**EAI, Inc.**

454 Central Avenue  
Jersey City, NJ 07307  
Contact: Mr. Robert Carvalho  
Phone: 201-714-9858  
Fax: 201-714-9895

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102115-0

**Industrial Laboratory**

Norfolk Naval Shipyard  
Building 184, 3rd Fl.  
Portsmouth, VA 23709-5000  
Contact: Mr. Robert West  
Phone: 804-396-3207  
Fax: 804-396-3972

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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NVLAP LAB CODE 102116-0

**Hygeia Environmental Laboratories, Inc.**

82 W. Sierra Madre Blvd.  
Sierra Madre, CA 91024-2434  
Contact: Mr. Gustavo Delgado  
Phone: 818-355-4711  
Fax: 818-355-4497  
E-Mail: gdelgado77@atc-enviro.com

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 102117-0

**San Joaquin Environmental, Inc.**

7257 North Maple Avenue, Suite #108  
Fresno, CA 93720-0167  
Contact: Mr. John E. Sherwin  
Phone: 209-298-8500  
Fax: 209-298-9500

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

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NVLAP LAB CODE 102118-0

**Apex Research Laboratory**

10505 Plaza Drive, Suite B  
Whitmore Lake, MI 48189  
Contact: Mr. Robert Letarte  
Phone: 313-449-9990  
Fax: 313-449-9991

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

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NVLAP LAB CODE 200002-0

**Cryptographic Equipment Assessment Lab.  
(CEAL)**

a CygnaCom Solutions Lab.  
1477 Chain Bridge Rd., Suite 201  
McLean, VA 22101  
Contact: Mr. Santosh Chokhani  
Phone: 703-848-0883  
Fax: 703-848-0960  
E-Mail: chokhani@cygnacom.com

**Cryptographic Modules Testing**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| Code    | Designation                                                                                                                                                                                                                  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17/C01  | NIST-CSTT:140-1; National Institute of Standards and Technology-Cryptographic Support Test Tool (CSTT) for the Federal Information Processing Standard 140-1 (FIPS 140-1) "Security Requirements for Cryptographic Modules." |
| 17/C01a | Test Method Group 1: All test methods derived from FIPS 140-1 and specified in the CSTT, except those listed in Group 2 and Group 3.                                                                                         |
| 17/C01b | Test Method Group 2: Test methods for Physical Security, Level 4 derived from FIPS 140-1 and specified in the CSTT                                                                                                           |
| 17/C01c | Test Method Group 3: Test methods for Software Security, Level 4 derived from FIPS 140-1 and specified in the CSTT                                                                                                           |

**NVLAP LAB CODE 200004-0**

**Integrity Design & Test Services, Inc.**

37 Ayer Road, Unit #7  
 Littleton, MA 01460  
 Contact: Mr. Michael C. Boucher  
 Phone: 508-486-0432  
 Fax: 508-486-0592  
 E-Mail: cemmark@zipnet.net

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code    | Designation                                         |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**International Special Committee on Radio Interference (CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

**NVLAP LAB CODE 200005-0**

**Motorola Product Quality Assurance Laboratory**

20 Cabot Boulevard  
 Mansfield, MA 02048  
 Contact: Mr. Scott C. Shea  
 Phone: 508-261-5733  
 Fax: 508-337-7172

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code     | Designation                                                                                                                   |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/T51   | AS-3548                                                                                                                       |
| 12/F01   | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                 |
| 12/F01a  | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                           |
| 12/F01b  | Radiated Emissions                                                                                                            |
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |

**NVLAP LAB CODE 200006-0**

**NJSP Calibration Laboratory**

166 River Road  
 Princeton, NJ 08540  
 Contact: SGT. John Connolly  
 Phone: 609-538-6059  
 Fax: 609-538-0345

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing the Teledyne automatic reader model 9150.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Teledyne TLD model PB5 for ANSI-N13.11 categories II, IV.

**NVLAP LAB CODE 200007-0**

**Lithonia Testing Laboratories**

1335 Industrial Blvd.  
 P.O. Box A  
 Conyers, GA 30207  
 Contact: Mr. James Hospodarsky  
 Phone: 770-922-9000 x2424  
 Fax: 770-929-8789

**Energy Efficient Lighting Products**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| Code   | Designation |
|--------|-------------|
| 22/F04 | IES LM-41   |

NVLAP LAB CODE 200010-0

**Tri-State Materials Testing Lab, Inc.**

101A Liberty Street  
Newington, CT 06111  
Contact: Mr. John P. Chmielorz  
Phone: 203-666-9954  
Fax: 203-666-0195

**Construction Materials Testing**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Aggregates**

02/A03 ASTM C29  
02/A04 ASTM C40  
02/A07 ASTM C117  
02/A09 ASTM C127  
02/A10 ASTM C128  
02/A12 ASTM C136  
02/A15 ASTM D75  
02/A44 ASTM C566

**Cement**

02/A17 ASTM C109  
02/A22 ASTM C183

**Concrete**

02/A01 ASTM C39  
02/A02 ASTM C617  
02/A41 ASTM C192  
02/A43 ASTM C1064  
02/G01 ASTM C31/C172/C143/C138/C231  
02/G02 ASTM C173

**Road and Paving Materials**

02/M08 ASTM D979  
02/M24 ASTM D2041  
02/M25 ASTM D2726

**Soil and Rock**

02/L02 ASTM D422  
02/L04 ASTM D698  
02/L06 ASTM D1140  
02/L08 ASTM D1557  
02/L13 ASTM D2216  
02/L20 ASTM D4318

**Standard Practices**

02/A39 ASTM C1077

NVLAP LAB CODE 200012-0

**IPS Corporation**

4593, Hosohora Ono, Tatsuno-machi,  
Kamiina-gun, Nagano-ken, P.O. Box 399-06  
Nagano 399-06  
JAPAN  
Contact: Mr. Takashi Maruyama  
Phone: +81-266-44-5200  
Fax: +81-266-44-5300  
E-Mail: ipstaka@avisnet.or.jp

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference  
(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

NVLAP LAB CODE 200013-0

**ENCORP**

6029 Bristol Parkway, Suite E  
Culver City, CA 90230-6601  
Contact: Mr. Keven Quebodeaux  
Phone: 310-337-9499  
Fax: 310-337-2953

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

NVLAP LAB CODE 200014-0

**City of Austin-Holly Chemistry Lab.**

2401 Holly Street  
P.O. Box 1088  
Austin, TX 78767-8814  
Contact: Mr. Claude Green  
Phone: 512-505-7841  
Fax: 512-505-7843  
E-Mail: greenc@electric.ci.austin.tx.us

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

NVLAP LAB CODE 200016-0

**Thomas Lighting C & I Division, Photometric  
Laboratory**

1015 S. Green Street  
P.O. Box 1687  
Tupelo, MS 38802-1687  
Contact: Ms. Dana K. Wallace  
Phone: 601-842-7212  
Fax: 601-841-5596

**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued****Energy Efficient Lighting Products**

Accreditation Valid Through: December 31, 1997

*NVLAP**Code      Designation***Luminaires (Lighting Fixtures)**

22/F01    IES LM-10  
22/F02    IES LM-31  
22/F03    IES LM-35  
22/F04    IES LM-41  
22/F05    IES LM-46

**NVLAP LAB CODE 200017-0****DOMUS Software Limited ITSEC Laboratory**

309 Cooper Street, 5th Floor

Ottawa Ontario K2P 0G5

CANADA

Contact: Mr. Gary Maxwell

Phone: 613-230-6285

Fax: 613-230-3274

E-Mail: gmaxwell@domus.com

**Cryptographic Modules Testing**

Accreditation Valid Through: September 30, 1997

*NVLAP**Code      Designation*

17/C01    NIST-CSTT:140-1; National Institute of Standards and Technology-Cryptographic Support Test Tool (CSTT) for the Federal Information Processing Standard 140-1 (FIPS 140-1) "Security Requirements for Cryptographic Modules."  
17/C01a    Test Method Group 1: All test methods derived from FIPS 140-1 and specified in the CSTT, except those listed in Group 2 and Group 3.  
17/C01b    Test Method Group 2: Test methods for Physical Security, Level 4 derived from FIPS 140-1 and specified in the CSTT  
17/C01c    Test Method Group 3: Test methods for Software Security, Level 4 derived from FIPS 140-1 and specified in the CSTT

**NVLAP LAB CODE 200018-0****Test-Con Incorporated**

80 Sand Pit Road

P.O. Box 3116

Danbury, CT 06813-3116

Contact: Mr. Chin Okwuka

Phone: 203-748-3012

Fax: 203-778-0633

**Construction Materials Testing**

Accreditation Valid Through: September 30, 1997

*NVLAP**Code      Designation***Aggregates**

02/A12    ASTM C136

**Concrete**

02/A01    ASTM C39  
02/A41    ASTM C192  
02/A45    ASTM C42

02/G01    ASTM C31/C172/C143/C138/C231

**Soil and Rock**

02/L06    ASTM D1140  
02/L08    ASTM D1557  
02/L23    ASTM D2922  
02/L31    ASTM D2167

**NVLAP LAB CODE 200019-0****EMSL Analytical, Inc.**

1001 SW Klickitat Way, Suite 107

Seattle, WA 98134

Contact: Mr. David Chen

Phone: 206-233-9007

Fax: 206-233-9011

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 200020-0****Hubbell Lighting Photometric Laboratory**

2000 Electric Way

Christiansburg, VA 24073-2502

Contact: Mr. Robert C. Speck

Phone: 540-382-6111 x239

Fax: 540-382-1544

**Energy Efficient Lighting Products**

Accreditation Valid Through: December 31, 1997

*NVLAP**Code      Designation***Luminaires (Lighting Fixtures)**

22/F01    IES LM-10  
22/F02    IES LM-31  
22/F03    IES LM-35  
22/F04    IES LM-41  
22/F05    IES LM-46

**NVLAP LAB CODE 200021-0****Wayne Langston, Inc.**

2750 FM 1266, Suite 10

League City, TX 77573

Contact: Mr. Wayne Langston

Phone: 713-337-6785

Fax: 713-337-7217

E-Mail: 102575.1532@compuserve.com

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP**Code      Designation***Federal Communications Commission (FCC) Methods**

12/F01    FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a    Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b    Radiated Emissions

**International Special Committee on Radio Interference  
(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**NVLAP LAB CODE 200022-0**

**Tennessee Valley Authority, Western Area  
Radiological Laboratory**

Western Area Radiological Laboratory  
TVA Reservation, WAR 1A-M, P.O. Box 1010  
Muscle Shoals, AL 35662-1010  
Contact: Dr. William L. Raines  
Phone: 205-386-3578  
Fax: 205-386-2782

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: March 31, 1997

This facility has been evaluated and deemed competent to process the radiation dosimeter identified below through employing a Merlin-Gerin LDM-91 reader.

This facility is accredited to process the DMC-90 and DMC-100 electronic dosimeters for ANSI-N13.11 category IV.

The accreditation included demonstration of compliance with ANSI-N13.11-1993 through testing categories IV and IX.

**NVLAP LAB CODE 200024-0**

**Enviro Techniques, Inc.**

22 California Avenue  
Paterson, NJ 07503  
Contact: Mr. Frank Marino  
Phone: 201-684-0202  
Fax: 201-684-3007

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**NVLAP LAB CODE 200025-0**

**CHEMTEX Environmental Laboratory, Inc.**

3082 25th Street  
P.O. Box 3922  
Port Arthur, TX 77642  
Contact: Dr. C. N. Reddy  
Phone: 409-983-4575  
Fax: 409-983-2126

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 200026-0**

**Eberline Analytical Corporation**

c/o Thermo Hanford, Attn: J. Moroney  
450 Hill Street  
Richland, WA 99352  
Contact: Mr. Ernest A. Sanchez  
Phone: 505-345-9931  
Fax: 505-761-5410

**Ionizing Radiation Dosimetry**

Accreditation Valid Through: June 30, 1997

This facility has been evaluated and deemed competent to process the dosimeters identified below by employing a Harshaw automatic TLD reader model 8800.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance by testing to ANSI-HPS N13.11-1993.

Harshaw TLD model 8814 for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VI, VII.

Harshaw TLD model 8806 for ANSI-N13.11 category VIII.

**NVLAP LAB CODE 200027-0**

**Vartest Laboratories, Inc.**

19 West 36th Street, 10th Floor  
New York, NY 10018-7909  
Contact: Mr. Adam R. Varley  
Phone: 212-947-8391  
Fax: 212-947-8719

**Carpet and Carpet Cushion**

Accreditation Valid Through: December 31, 1997

**NVLAP**

*Code Designation*

**Tests Applicable to Carpet and Carpet Cushion**

03/T01 AATCC 16 (Option E)  
03/T02 ASTM D2646 (Secs. 16-24)  
03/T04 16 CFR Part 1630 (FF-1-70)

**Tests Applicable to Carpets**

03/G01 AATCC 20  
03/G02 AATCC 20A  
03/G04 AATCC 165

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**NVLAP LAB CODE 200028-0**
**Big Rivers Electric Corp.**

201 3rd. Street  
P.O. Box 24  
Henderson, KY 42420-0024  
Contact: Mr. Joseph D. Roberts  
Phone: 502-827-2561  
Fax: 502-827-2561

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 200030-0**
**Dodge-Regupol, Inc. Laboratory**

715 Fountain Avenue  
P.O. Box 989  
Lancaster, PA 17608-0989  
Contact: Mr. Clyde T. Diffendall  
Phone: 717-295-3400 x52  
Fax: 717-295-3414

**Commercial Products Testing**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Plastics**

|        |                                 |
|--------|---------------------------------|
| 15/A23 | ASTM D412 (Para. 17.2.2, 17.6)  |
| 15/A24 | ASTM D573                       |
| 15/A25 | ASTM D624                       |
| 15/A26 | ASTM D2240                      |
| 15/A30 | ASTM D297 (Sec. 16; Para. 16.3) |

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**NVLAP LAB CODE 200031-0**
**Inchcape Testing Services NA, Inc.**

8431 Murphy Drive  
Middleton, WI 53562  
Contact: Mr. Paul Moliski  
Phone: 607-758-6336  
Fax: 607-756-6699

**Thermal Insulation Materials**

Accreditation Valid Through: December 31, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T04 | ASTM C236 |
|--------|-----------|

---

**NVLAP LAB CODE 200033-0**
**3M Product Safety EMC Laboratory**

410 E. Fillmore Avenue  
Bldg 76-1-01  
St. Paul, MN 55144-1000  
Contact: Mr. Greg Demaray  
Phone: 612-736-4427  
Fax: 612-737-1035

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

---

**NVLAP LAB CODE 200034-0**
**EMSL Analytical, Inc.**

Westwood Business Park 1801 Royal Lane  
Suite 908  
Dallas, TX 75229  
Contact: Mr. Leslie Crisp  
Phone: 214-831-9725  
Fax: 214-444-0884

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: March 31, 1997

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**NVLAP LAB CODE 200036-0**
**Quest Engineering Solutions, Inc.**

300 Concord Road  
Billerica, MA 01821  
Contact: Mr. Glenn Ryan  
Phone: 508-667-7000  
Fax: 508-667-3388  
E-Mail: info@QES.com

**FCC Test Methods**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**International Special Committee on Radio Interference**
**(CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

NVLAP LAB CODE 200037-0

**Western Analytical Laboratory**

3017 N. San Fernando Blvd., Suite A  
Burbank, CA 91504-4704  
Contact: Mr. Mike Maladzhikyan  
Phone: 818-845-7766  
Fax: 818-845-7742

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

NVLAP LAB CODE 200039-0

**Detecon, Inc. Type Approval Division**

1775 Old Highway 8, Suite 107/108  
St. Paul, MN 55112-1891  
Contact: Mr. William Holz  
Phone: 612-639-0775  
Fax: 612-639-0873

**FCC Test Methods**

Accreditation Valid Through: March 31, 1997

*NVLAP*

*Code Designation*

*AUSTEL Technical Standards as determined under the  
Telecommunications Act of 1991*

12/T47 TS-013  
12/T48 TS-014  
12/T49 TS-016

NVLAP LAB CODE 200040-0

**LG Electronics, Inc., Quality and Reliability  
Center**

36, Munlae-dong, 6-ga Youngdungpo-gu  
Seoul 150-096  
KOREA  
Contact: Mr. Hong Do-Jae  
Phone: 82 2 630 3006  
Fax: 82 2 630 3050

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

*NVLAP*

*Code Designation*

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

NVLAP LAB CODE 200041-0

**Kingston Environmental Laboratory**

1600 S.W. Market  
Lee's Summit, MO 64081-3109  
Contact: Ms. Melissa McKee  
Phone: 816-524-8811  
Fax: 816-251-8102

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

NVLAP LAB CODE 200044-0

**U.S. Army Center for Health Promotion and  
Preventive Medicine**

Attn: MCHB-DL-LO, Bldg. E-2100  
Aberdeen Proving Ground, MD 21010-5422  
Contact: Mr. Frederic Belkin  
Phone: 410-671-3898  
Fax: 410-671-4108

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

NVLAP LAB CODE 200045-0

**Willamette Industries, Inc. West Coast  
Development Lab**

9130 SW Pioneer Court, Suite D  
Wilsonville, OR 97070  
Contact: Mr. Gary Vosler  
Phone: 503-682-4995  
Fax: 503-682-4545

**Commercial Products Testing**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Paper and Related Products**

09/E02 TAPPI T402-OM; ASTM D685  
09/E05 TAPPI T410-OM  
09/E06 TAPPI T411-OM  
09/E11 TAPPI T452-OM  
09/E17 TAPPI T494-OM  
09/E20 TAPPI T809-OM  
09/E21 TAPPI T818-OM  
09/E22 TAPPI T807-OM  
09/E25 TAPPI T826-PM  
09/E27 TAPPI UM-403  
09/E29 TAPPI T476-OM  
09/H01 ASTM D642; TAPPI T804-OM  
09/H24 TAPPI T802-OM  
09/H27 TAPPI T808-OM  
09/H28 TAPPI T810-OM  
09/H29 TAPPI T811-OM  
09/H30 TAPPI T821-OM

**INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued****NVLAP LAB CODE 200046-0****Maxim Technologies, Inc.**

662 Cromwell Avenue  
St. Paul, MN 55114-1776  
Contact: Mr. Richard S. Alberg  
Phone: 612-659-7528  
Fax: 612-659-7229

**Acoustical Testing Services**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i>     |
|-------------|------------------------|
| 08/P03      | ASTM C423              |
| 08/P06      | ASTM E90               |
| 08/P10      | ANSI S12.31 (ISO 3741) |
| 08/P31      | ASTM E336              |
| 08/P32      | ASTM E1007             |
| 08/P37      | ASTM E966              |

**Thermal Insulation Materials**

Accreditation Valid Through: March 31, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Mass, Density, and Dimensional Stability**

|        |                                         |
|--------|-----------------------------------------|
| 01/D04 | ASTM C209 (Sec. 13)                     |
| 01/D06 | ASTM C209 (S. 14) by D1037 (S. 107-110) |
| 01/D07 | ASTM C272                               |
| 01/D18 | ASTM D1622                              |
| 01/D19 | ASTM D2126                              |

**Related Material Properties**

|        |          |
|--------|----------|
| 01/V04 | ASTM E96 |
|--------|----------|

**Strength**

|        |                      |
|--------|----------------------|
| 01/S02 | ASTM C203            |
| 01/S03 | ASTM C209 (Sec. 9)   |
| 01/S04 | ASTM C209 (Sec. 10)  |
| 01/S05 | ASTM C209 (Sec. 11)  |
| 01/S06 | ASTM C209 (Sec. 12)  |
| 01/S11 | ASTM D1621 (Proc. A) |

**Thermal Resistance**

|        |           |
|--------|-----------|
| 01/T04 | ASTM C236 |
| 01/T06 | ASTM C518 |

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: March 31, 1997

**NVLAP LAB CODE 200047-0****National Econ Corporation**

4515 Poplar Avenue, Suite 410  
Memphis, TN 38117  
Contact: Mr. Chester V. Ervin  
Phone: 901-761-5431  
Fax: 901-767-2466

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**NVLAP LAB CODE 200049-0****Inchcape Testing Services NA, Inc.**

7435 4th Street North  
Lake Elmo, MN 55042  
Contact: Mr. Albert Garlatti  
Phone: 612-730-1188  
Fax: 612-730-1282

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Australian Standards referred to by clauses in AUSTEL Technical Standards**

|        |         |
|--------|---------|
| 12/T51 | AS-3548 |
|--------|---------|

**Federal Communications Commission (FCC) Methods**

|         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**International Special Committee on Radio Interference (CISPR) Methods**

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

**NVLAP LAB CODE 200050-0****Cooper Lighting - Metalux Research Laboratories**

428 Southerfield Road  
P.O. Box 1207  
Americus, GA 31709-1207  
Contact: Mr. James L. Domigan, Jr.  
Phone: 912-924-8000  
Fax: 912-924-5507

**Energy Efficient Lighting Products**

Accreditation Valid Through: June 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Luminaires (Lighting Fixtures)**

|        |           |
|--------|-----------|
| 22/F04 | IES LM-41 |
|--------|-----------|

**NVLAP LAB CODE 200052-0****EMC Test Lab**

2214 West Braker Lane, Bldg. D  
Austin, TX 78758-4053  
Contact: Mr. Charles L. Hinkle  
Phone: 512-728-0427  
Fax: 512-728-5278

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

| <i>Code</i> | <i>Designation</i> |
|-------------|--------------------|
|-------------|--------------------|

**Federal Communications Commission (FCC) Methods**

|        |                                       |
|--------|---------------------------------------|
| 12/F01 | FCC Method - 47 CFR Part 15 - Digital |
|--------|---------------------------------------|

|         |                                                     |
|---------|-----------------------------------------------------|
|         | Devices                                             |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**NVLAP LAB CODE 200054-0**

**Micro Analytical Laboratories, Inc.**

1786 - 18th Street  
San Francisco, CA 94107-2343  
Contact: Dr. Yianping Li  
Phone: 510-653-0824  
Fax: 510-653-1361

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 200055-0**

**Technology Products Assurance**

844 Don Mill Road  
North York, Ontario M3C 1V7  
CANADA  
Contact: Mr. Kenneth Long  
Phone: 416-448-4937  
Fax: 416-448-4924

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

*AUSTEL Technical Standards as determined under the Telecommunications Act of 1991*

12/T41 TS-001

*Australian Standards referred to by clauses in AUSTEL Technical Standards*

12/T50 AS-3260

**NVLAP LAB CODE 200056-0**

**EMSL Analytical, Inc.**

440 Lawrence Bell Drive, Suite #2  
Williamsville, NY 14221  
Contact: Mr. Thomas Spengler  
Phone: 716-631-5887  
Fax: 716-631-7693

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 200057-0**

**Curtis-Straus LLC**

527 Great Road  
Littleton, MA 01460  
Contact: Mr. Jon D. Curtis  
Phone: 508-486-8880  
Fax: 508-486-8828

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

**NVLAP**

*Code Designation*

*Australian Standards referred to by clauses in AUSTEL*

*Technical Standards*

12/T51 AS-3548

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

*International Special Committee on Radio Interference (CISPR) Methods*

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**NVLAP LAB CODE 200058-0**

**Compaq Computer Corp. Emissions Control Lab**

M/C 060607  
P.O. Box 692000  
Houston, TX 77070-2000  
Contact: Mr. Steve Ortmann  
Phone: 713-514-4897  
Fax: 713-514-8029

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

*Code Designation*

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

**NVLAP LAB CODE 200059-0**

**Northwest EMC, Inc.**

120 South Elliott Road  
Newberg, OR 97132  
Contact: Mr. Dean Ghizzone  
Phone: 503-537-0728  
Fax: 503-537-0735

**FCC Test Methods**

Accreditation Valid Through: June 30, 1997

**NVLAP**

*Code Designation*

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

# INDEX D. LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE - continued

## NVLAP LAB CODE 200060-0

### **EMG, Company (Environmental Monitoring Group)**

14211 Euclid Street, Suite DD  
Garden Grove, CA 92643  
Contact: Mr. Ray Escobar  
Phone: 714-530-0779  
Fax: 714-530-1191

### **Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

## NVLAP LAB CODE 200061-0

### **Rhein Tech Laboratories, Inc.**

360 Herndon Parkway, Suite #1400  
Herndon, VA 22070-4820  
Contact: Mr. Bruno Clavier  
Phone: 703-689-0368  
Fax: 703-689-2056

### **FCC Test Methods**

Accreditation Valid Through: September 30, 1997

#### **NVLAP**

Code Designation

### **Federal Communications Commission (FCC) Methods**

- |         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

### **International Special Committee on Radio Interference (CISPR) Methods**

- |          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

## NVLAP LAB CODE 200063-0

### **Compatible Electronics, Inc.**

114 Olinda Drive  
Brea, CA 92621-7036  
Contact: Mr. Kumar R. Chaklashiya  
Phone: 714-579-0500  
Fax: 714-579-1850

### **FCC Test Methods**

Accreditation Valid Through: June 30, 1997

#### **NVLAP**

Code Designation

### **AUSTEL Technical Standards as determined under the Telecommunications Act of 1991**

- |        |        |
|--------|--------|
| 12/T41 | TS-001 |
| 12/T42 | TS-002 |

### **Australian Standards referred to by clauses in AUSTEL Technical Standards**

- |        |         |
|--------|---------|
| 12/T50 | AS-3260 |
| 12/T51 | AS-3548 |

### **Federal Communications Commission (FCC) Methods**

- |         |                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices                                                                                                                                                                                              |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz                                                                                                                                                                                        |
| 12/F01b | Radiated Emissions                                                                                                                                                                                                                         |
| 12/T01  | Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital                                                                                                                                          |
| 12/T01a | 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection |
| 12/T01b | 68.316 Hearing Aid Compatibility: technical standards                                                                                                                                                                                      |

## NVLAP LAB CODE 200065-0

### **Compliance Eng. Svces, Inc., Compliance Consulting Services**

1366 Bordeaux Drive  
Sunnyvale, CA 94089-1005  
Contact: Mr. Scott Wang  
Phone: 408-752-8166 x116  
Fax: 408-752-8168

### **FCC Test Methods**

Accreditation Valid Through: June 30, 1997

#### **NVLAP**

Code Designation

### **Federal Communications Commission (FCC) Methods**

- |         |                                                     |
|---------|-----------------------------------------------------|
| 12/F01  | FCC Method - 47 CFR Part 15 - Digital Devices       |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

### **International Special Committee on Radio Interference (CISPR) Methods**

- |          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
|----------|-------------------------------------------------------------------------------------------------------------------------------|

## NVLAP LAB CODE 200066-0

### **Washington Laboratories, Ltd.**

7560 Lindbergh Drive  
Gaithersburg, MD 20879  
Contact: Mr. Michael F. Violette  
Phone: 301-417-0220  
Fax: 301-417-9069  
E-Mail: Mikev@will.com

### **FCC Test Methods**

Accreditation Valid Through: September 30, 1997

#### **NVLAP**

Code Designation

### **Federal Communications Commission (FCC) Methods**

- |        |                                       |
|--------|---------------------------------------|
| 12/F01 | FCC Method - 47 CFR Part 15 - Digital |
|--------|---------------------------------------|

|         |                                                     |
|---------|-----------------------------------------------------|
|         | Devices                                             |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions                                  |

**NVLAP LAB CODE 200067-0**

**CT&E Environmental Services, Inc.**

3491 Kurtz Street  
San Diego, CA 92110  
Contact: Mr. Craig Sobotka  
Phone: 619-222-0544  
Fax: 619-224-7260

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

**NVLAP LAB CODE 200068-0**

**EMC Compliance Mgmt Group, dba Turntech Scientific & Instr., Inc.**

670 National Avenue  
Mountain View, CA 94043-2244  
Contact: Mr. Paul F. Chen  
Phone: 415-988-0900  
Fax: 415-988-6647

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code      Designation*

*Australian Standards referred to by clauses in AUSTEL*

*Technical Standards*

12/T51 AS-3548

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital

Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

*International Special Committee on Radio Interference*

*(CISPR) Methods*

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**NVLAP LAB CODE 200069-0**

**Elliott Laboratories, Inc.**

684 West Maude Avenue  
Sunnyvale, CA 94086-3518  
Contact: Mr. Thomas H. Parker  
Phone: 408-245-7800  
Fax: 408-245-3499

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code      Designation*

*AUSTEL Technical Standards as determined under the Telecommunications Act of 1991*

12/T41 TS-001

*Australian Standards referred to by clauses in AUSTEL Technical Standards*

12/T50 AS-3260

12/T51 AS-3548

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital

Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

*International Special Committee on Radio Interference (CISPR) Methods*

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**NVLAP LAB CODE 200071-0**

**Apple Computer, Inc., EMC Compliance Laboratory**

1 Infinite Loop, Mailstop 26-A  
Cupertino, CA 95014-2084  
Contact: Mr. Robert Steinfeld  
Phone: 408-974-2618  
Fax: 408-861-5061

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code      Designation*

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital

Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

**NVLAP LAB CODE 200075-0**

**Rockford Engineering Services**

4750 Williams Wharf Road, P.O. Box 7  
St. Leonard, MD 20685-9611  
Contact: Mr. Michael Gbadebo  
Phone: 510-862-2944  
Fax: 510-862-9013

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code      Designation*

*Federal Communications Commission (FCC) Methods*

12/F01 FCC Method - 47 CFR Part 15 - Digital

Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200076-0

**Instrument Specialties Co., Inc.**

P.O. Box A, Shielding Way  
Delaware Water Gap, PA 18327-0136  
Contact: Mr. J. Fred Gardner  
Phone: 717-424-8510  
Fax: 717-421-4227

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

NVLAP LAB CODE 200078-0

**Digital Equipment Corp., EMC Test Facility**

301 Rockrimmon Blvd. South  
Colorado Springs, CO 80919-2398  
Contact: Mr. Dennis Laurence  
Phone: 719-548-2080  
Fax: 719-548-2123

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

NVLAP LAB CODE 200080-0

**Continental Envirotech, Inc.**

1840 E. University Drive, Suite #7  
Mesa, AZ 85203-8237  
Contact: Mr. Kenneth W. Hokanson  
Phone: 602-844-1710  
Fax: 602-844-1752

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

NVLAP LAB CODE 200081-0

**Alternative Energy Corporation, Industrial Electrotechnology Lab.**

909 Capability Drive, #2100  
Raleigh, NC 27606-3870  
Contact: Mr. Russell B. Starkey  
Phone: 919-857-9038  
Fax: 919-832-2696

**Efficiency of Electric Motors**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

24/M01 IEEE 112, Method B

NVLAP LAB CODE 200082-0

**PDE Laboratories**

950 Calle Negocio  
San Clemente, CA 92673-6201  
Contact: Mr. Dave Farrant  
Phone: 714-361-9189  
Fax: 714-361-9597

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

**NVLAP**

Code Designation

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200083-0

**Testwell Craig Laboratories, Inc.**

47 Hudson Street  
Ossining, NY 10562  
Contact: Mr. V. Reddy Kancharla  
Phone: 914-762-9000  
Fax: 914-762-9638

**Construction Materials Testing**

Accreditation Valid Through: June 30, 1997

**NVLAP**

Code Designation

**Admixtures**

02/A35 ASTM C233

**Aggregates**

02/A03 ASTM C29

02/A04 ASTM C40

02/A06 ASTM C88

02/A07 ASTM C117  
 02/A09 ASTM C127  
 02/A10 ASTM C128  
 02/A11 ASTM C131  
 02/A12 ASTM C136  
 02/A13 ASTM C142  
 02/A15 ASTM D75  
 02/A44 ASTM C566

**Cement**

02/A17 ASTM C109  
 02/A18 ASTM C114  
 02/A21 ASTM C157  
 02/A22 ASTM C183  
 02/A26 ASTM C191  
 02/A27 ASTM C204  
 02/A30 ASTM C266  
 02/A31 ASTM C305  
 02/A34 ASTM C452

**Concrete**

02/A01 ASTM C39  
 02/A02 ASTM C617  
 02/A40 ASTM C78  
 02/A41 ASTM C192  
 02/A43 ASTM C1064  
 02/A45 ASTM C42  
 02/A48 ASTM C856  
 02/G01 ASTM C31/C172/C143/C138/C231

**Soil and Rock**

02/L01 ASTM D4220  
 02/L02 ASTM D422  
 02/L05 ASTM D854  
 02/L06 ASTM D1140  
 02/L07 ASTM D1556  
 02/L08 ASTM D1557  
 02/L12 ASTM D2168  
 02/L13 ASTM D2216  
 02/L14 ASTM D2217  
 02/L16 ASTM D2487  
 02/L17 ASTM D2488  
 02/L20 ASTM D4318  
 02/L23 ASTM D2922  
 02/L24 ASTM D2974  
 02/L25 ASTM D3017

**Standard Practices**

02/A38 ASTM E329  
 02/A39 ASTM C1077

**Steel Materials**

02/S01 ASTM A370 (Sec. 5-13)/E8  
 02/S07 ASTM E709  
 02/S08 ASTM E165

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 200083-1**

**Testwell Craig Testing Laboratories, Inc.**

5435 E. Harding Highway  
 P.O. Box 477  
 Mays Landing, NJ 08330  
 Contact: Mr. V. Reddy Kancharla  
 Phone: 609-625-1700  
 Fax: 609-625-6325

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: June 30, 1997

**NVLAP LAB CODE 200084-0**

**Alliant Techsystems**

401 Defense Highway  
 Annapolis, MD 21401  
 Contact: Mr. James H. Hall  
 Phone: 410-266-1785  
 Fax: 410-224-0887

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
 Devices  
 12/F01a Conducted Emissions, Power Lines, 450 KHz  
 to 30 MHz  
 12/F01b Radiated Emissions

**NVLAP LAB CODE 200085-0**

**Global EMC Standard Tech. Corp.**

No. 3, Pau-Tou-Tsuo Valley  
 Chia-Pau Tsuen, Lin Kou Hsiang  
 Taipei County  
 TAIWAN  
 Contact: Mr. Raymond Chang  
 Phone: 886-2-6035321  
 Fax: 886-2-6035325  
 E-Mail: GESTEK@MS5.HINET.NET

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

12/F01 FCC Method - 47 CFR Part 15 - Digital  
 Devices  
 12/F01a Conducted Emissions, Power Lines, 450 KHz  
 to 30 MHz  
 12/F01b Radiated Emissions

**International Special Committee on Radio Interference (CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
 measurement of radio disturbance  
 characteristics of information technology  
 equipment

NVLAP LAB CODE 200090-0

**ProScience Analytical Services, Inc.**

22 Cummings Park  
Woburn, MA 01801  
Contact: Mr. Adrian Stanca  
Phone: 617-935-3212  
Fax: 617-932-4857

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

**Airborne Asbestos Analysis (TEM)**

Accreditation Valid Through: December 31, 1997

NVLAP LAB CODE 200093-0

**UltraTech Engineering Labs Inc.**

33-4181 Sladeview Crescent  
Mississauga, Ontario L5L 5R2  
CANADA  
Contact: Mr. Victor Kee  
Phone: 905-569-2550  
Fax: 905-569-2480

**FCC Test Methods**

Accreditation Valid Through: September 30, 1997

*NVLAP*

*Code Designation*

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

NVLAP LAB CODE 200095-0

**Chopra-Lee, Inc.**

1815 Love Road  
P.O. Box 567  
Grand Island, NY 14072-0567  
Contact: Mr. Paul S. Chopra  
Phone: 716-773-7625  
Fax: 716-773-7624

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: September 30, 1997

NVLAP LAB CODE 200098-0

**Northern Telecom BVW Lab**

250 Sidney Street  
Belleville, Ontario K8N5B7  
CANADA  
Contact: Mrs. Seham Fawzy  
Phone: 613-966-0100 x3145  
Fax: 613-967-5364

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

- 12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology  
equipment

NVLAP LAB CODE 200099-0

**Spectrum Research & Testing Laboratory, Inc.**

No. 101-10, Ling 8, Shan-Tong Li  
Chun-Li, Taoyuan  
TAIWAN  
Contact: Mr. Cheng-Yang Ho  
Phone: 011-886-3-4987684  
Fax: 011-886-3-4986528

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code Designation*

**Australian Standards referred to by clauses in AUSTEL**

**Technical Standards**

- 12/T51 AS-3548

**Federal Communications Commission (FCC) Methods**

- 12/F01 FCC Method - 47 CFR Part 15 - Digital  
Devices  
12/F01a Conducted Emissions, Power Lines, 450 KHz  
to 30 MHz  
12/F01b Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

- 12/CIS22 IEC/CISPR 22:1993: Limits and methods of  
measurement of radio disturbance  
characteristics of information technology

equipment

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**NVLAP LAB CODE 200100-0**

**Spectrum Research & Testing Laboratory, Inc.**

1603 Skinners Turn Road  
Owing, MD 20736  
Contact: Mr. Cheng-Yang Ho  
Phone: 301-855-2262  
Fax: 301-866-0149

**FCC Test Methods**

Accreditation Valid Through: December 31, 1997

*NVLAP*

*Code          Designation*

*Australian Standards referred to by clauses in AUSTEL*

**Technical Standards**

12/T51      AS-3548

**Federal Communications Commission (FCC) Methods**

12/F01      FCC Method - 47 CFR Part 15 - Digital  
                 Devices

12/F01a     Conducted Emissions, Power Lines, 450 KHz  
                 to 30 MHz

12/F01b     Radiated Emissions

**International Special Committee on Radio Interference**

**(CISPR) Methods**

12/CIS22    IEC/CISPR 22:1993: Limits and methods of  
                 measurement of radio disturbance  
                 characteristics of information technology  
                 equipment

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**NVLAP LAB CODE 200124-0**

**White Environmental Consultants Inc.**

3300 C. Street, Suite 118  
Anchorage, AK 99503  
Contact: Mr. Jim Willard III  
Phone: 907-562-2700  
Fax: 907-562-2666

**Bulk Asbestos Analysis (PLM)**

Accreditation Valid Through: December 31, 1997

**INDEX**

**E**

**LISTING OF  
CALIBRATION  
LABORATORIES  
BY NVLAP  
LAB CODE**



## OAK RIDGE METROLOGY CENTER, DIMENSIONAL METROLOGY

P.O. Box 2009

Oak Ridge, TN 37831-7670

Contact: Mr. W. T. (Bill) McKeethan

Phone: 423-574-2707 Fax: 423-574-2328

Accreditation Valid Through: March 31, 1997

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                                                |
|-----------------------------------|--------------|-------------------------------------------------------------|---------------------------------------------------------------|
| <b>DIMENSIONAL</b>                |              |                                                             |                                                               |
| 20/D05<br>Length                  |              |                                                             |                                                               |
|                                   | 0 - 1.35 m   | (0.3 + 0.4L) micrometers; L is<br>length in meters          | Step and End Gages using M-60<br>Coordinate Measuring Machine |
|                                   | 0 - 1.2 m    | (0.3 + 0.4L) micrometers; L is<br>length in meters          | Step and End Gages using M-48<br>Coordinate Measuring Machine |

- 
1. Represents an expanded uncertainty using a coverage factor, k=2

NVLAP LAB CODE 105001-0

## RICE LAKE WEIGHING SYSTEMS

230 West Coleman Street

P.O. Box 272

Rice Lake, WI 54868

Contact: Mr. Richard Calkins

Phone: 715-234-9171 Fax: 715-234-6967

Accreditation Valid Through: March 31, 1997

| NVLAP Code/<br>Parameters | Range  | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks          |
|---------------------------|--------|----------------------------------------------|------------------|
| <b>MECHANICAL</b>         |        |                                              |                  |
| 20/M08                    |        |                                              |                  |
| Mass                      |        |                                              |                  |
|                           | 1 kg   | 0.070 mg                                     | Class I Facility |
|                           | 500 g  | 0.050 mg                                     | Class I Facility |
|                           | 300 g  | 0.042 mg                                     | Class I Facility |
|                           | 200 g  | 0.037 mg                                     | Class I Facility |
|                           | 100 g  | 0.0346 mg                                    | Class I Facility |
|                           | 50 g   | 0.0103 mg                                    | Class I Facility |
|                           | 30 g   | 0.0068 mg                                    | Class I Facility |
|                           | 20 g   | 0.0068 mg                                    | Class I Facility |
|                           | 10 g   | 0.0068 mg                                    | Class I Facility |
|                           | 5 g    | 0.00219 mg                                   | Class I Facility |
|                           | 3 g    | 0.00229 mg                                   | Class I Facility |
|                           | 2 g    | 0.00218 mg                                   | Class I Facility |
|                           | 1 g    | 0.00161 mg                                   | Class I Facility |
|                           | 500 mg | 0.00076 mg                                   | Class I Facility |
|                           | 300 mg | 0.00075 mg                                   | Class I Facility |
|                           | 200 mg | 0.00098 mg                                   | Class I Facility |
|                           | 100 mg | 0.00098 mg                                   | Class I Facility |
|                           | 50 mg  | 0.00074 mg                                   | Class I Facility |
|                           | 30 mg  | 0.00098 mg                                   | Class I Facility |
|                           | 20 mg  | 0.00098 mg                                   | Class I Facility |
|                           | 10 mg  | 0.00106 mg                                   | Class I Facility |
|                           | 5 mg   | 0.00110 mg                                   | Class I Facility |
|                           | 3 mg   | 0.00069 mg                                   | Class I Facility |

INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| NVLAP Code/<br>Parameters | Range  | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks           |
|---------------------------|--------|----------------------------------------------|-------------------|
|                           | 2 mg   | 0.00089 mg                                   | Class I Facility  |
|                           | 1 mg   | 0.00083 mg                                   | Class I Facility  |
|                           | 50 kg  | 129 mg                                       | Class II Facility |
|                           | 30 kg  | 81 mg                                        | Class II Facility |
|                           | 25 kg  | 65 mg                                        | Class II Facility |
|                           | 20 kg  | 59 mg                                        | Class II Facility |
|                           | 10 kg  | 25 mg                                        | Class II Facility |
|                           | 5 kg   | 7.5 mg                                       | Class II Facility |
|                           | 3 kg   | 5.3 mg                                       | Class II Facility |
|                           | 2 kg   | 4.7 mg                                       | Class II Facility |
|                           | 1 kg   | 0.18 mg                                      | Class II Facility |
|                           | 500 g  | 0.09 mg                                      | Class II Facility |
|                           | 300 g  | 0.18 mg                                      | Class II Facility |
|                           | 200 g  | 0.18 mg                                      | Class II Facility |
|                           | 100 g  | 0.018 mg                                     | Class II Facility |
|                           | 50 g   | 0.010 mg                                     | Class II Facility |
|                           | 30 g   | 0.018 mg                                     | Class II Facility |
|                           | 20 g   | 0.016 mg                                     | Class II Facility |
|                           | 10 g   | 0.006 mg                                     | Class II Facility |
|                           | 5 g    | 0.0027 mg                                    | Class II Facility |
|                           | 3 g    | 0.0028 mg                                    | Class II Facility |
|                           | 2 g    | 0.0027 mg                                    | Class II Facility |
|                           | 1 g    | 0.0022 mg                                    | Class II Facility |
|                           | 500 mg | 0.002 mg                                     | Class II Facility |
|                           | 300 mg | 0.002 mg                                     | Class II Facility |
|                           | 200 mg | 0.002 mg                                     | Class II Facility |
|                           | 100 mg | 0.002 mg                                     | Class II Facility |
|                           | 50 mg  | 0.002 mg                                     | Class II Facility |
|                           | 30 mg  | 0.002 mg                                     | Class II Facility |
|                           | 20 mg  | 0.002 mg                                     | Class II Facility |
|                           | 10 mg  | 0.002 mg                                     | Class II Facility |
|                           | 5 mg   | 0.002 mg                                     | Class II Facility |

INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>     |
|-----------------------------------|--------------|-------------------------------------------------------------|--------------------|
|                                   | 3 mg         | 0.002 mg                                                    | Class II Facility  |
|                                   | 2 mg         | 0.002 mg                                                    | Class II Facility  |
|                                   | 1 mg         | 0.002 mg                                                    | Class II Facility  |
|                                   | 1000 kg      | 18.79 g                                                     | Class III Facility |
|                                   | 500 kg       | 10.32 g                                                     | Class III Facility |
|                                   | 300 kg       | 17.30 g                                                     | Class III Facility |
|                                   | 200 kg       | 12.13 g                                                     | Class III Facility |
|                                   | 100 kg       | 9.01 g                                                      | Class III Facility |
|                                   | 50 kg        | 130 mg                                                      | Class III Facility |
|                                   | 30 kg        | 81 mg                                                       | Class III Facility |
|                                   | 25 kg        | 65 mg                                                       | Class III Facility |
|                                   | 20 kg        | 59 mg                                                       | Class III Facility |
|                                   | 10 kg        | 25 mg                                                       | Class III Facility |
|                                   | 5 kg         | 7.5 mg                                                      | Class III Facility |
|                                   | 3 kg         | 0.2 mg                                                      | Class III Facility |
|                                   | 2 kg         | 4.7 mg                                                      | Class III Facility |
|                                   | 1 kg         | 0.1 mg                                                      | Class III Facility |
|                                   | 500 g        | 0.1 mg                                                      | Class III Facility |
|                                   | 300 g        | 0.2 mg                                                      | Class III Facility |
|                                   | 200 g        | 0.07 mg                                                     | Class III Facility |
|                                   | 100 g        | 0.006 mg                                                    | Class III Facility |
|                                   | 50 g         | 0.041 mg                                                    | Class III Facility |
|                                   | 30 g         | 0.041 mg                                                    | Class III Facility |
|                                   | 20 g         | 0.006 mg                                                    | Class III Facility |
|                                   | 10 g         | 0.007 mg                                                    | Class III Facility |
|                                   | 5 g          | 0.005 mg                                                    | Class III Facility |
|                                   | 3 g          | 0.005 mg                                                    | Class III Facility |
|                                   | 2 g          | 0.005 mg                                                    | Class III Facility |
|                                   | 1 g          | 0.004 mg                                                    | Class III Facility |
|                                   | 500 mg       | 0.001 mg                                                    | Class III Facility |
|                                   | 300 mg       | 0.001 mg                                                    | Class III Facility |
|                                   | 200 mg       | 0.001 mg                                                    | Class III Facility |

INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>     |
|-----------------------------------|--------------|-------------------------------------------------------------|--------------------|
|                                   | 100 mg       | 0.001 mg                                                    | Class III Facility |
|                                   | 50 mg        | 0.001 mg                                                    | Class III Facility |
|                                   | 30 mg        | 0.001 mg                                                    | Class III Facility |
|                                   | 20 mg        | 0.001 mg                                                    | Class III Facility |
|                                   | 10 mg        | 0.001 mg                                                    | Class III Facility |
|                                   | 5 mg         | 0.001 mg                                                    | Class III Facility |
|                                   | 3 mg         | 0.001 mg                                                    | Class III Facility |
|                                   | 2 mg         | 0.002 mg                                                    | Class III Facility |
|                                   | 1 mg         | 0.001 mg                                                    | Class III Facility |
| 20/M08<br>Mass Avoirdupois        |              |                                                             |                    |
|                                   | 3000 lb      | 22.30 g                                                     | Class III Facility |
|                                   | 2000 lb      | 22.03 g                                                     | Class III Facility |
|                                   | 2000 lb      | 18.69 g                                                     | Class III Facility |
|                                   | 1500 lb      | 23.83 g                                                     | Class III Facility |
|                                   | 1250 lb      | 21.55 g                                                     | Class III Facility |
|                                   | 1000 lb      | 9.38 g                                                      | Class III Facility |
|                                   | 500 lb       | 12.87 g                                                     | Class III Facility |
|                                   | 250 lb       | 8.37 g                                                      | Class III Facility |
|                                   | 200 lb       | 8.56 g                                                      | Class III Facility |
|                                   | 100 lb       | 218 mg                                                      | Class III Facility |
|                                   | 50 lb        | 89 mg                                                       | Class III Facility |
|                                   | 30 lb        | 89 mg                                                       | Class III Facility |
|                                   | 25 lb        | 43 mg                                                       | Class III Facility |
|                                   | 20 lb        | 35 mg                                                       | Class III Facility |
|                                   | 10 lb        | 19.7 mg                                                     | Class III Facility |
|                                   | 5 lb         | 8.6 mg                                                      | Class III Facility |
|                                   | 4 lb         | 7.1 mg                                                      | Class III Facility |
|                                   | 3 lb         | 5.6 mg                                                      | Class III Facility |
|                                   | 2 lb         | 3.3 mg                                                      | Class III Facility |
|                                   | 1 lb         | 1.7 mg                                                      | Class III Facility |
|                                   | 0.5 lb       | 0.9 mg                                                      | Class III Facility |

INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>     |
|-----------------------------------|--------------|-------------------------------------------------------------|--------------------|
|                                   | 0.3 lb       | 0.49 mg                                                     | Class III Facility |
|                                   | 0.2 lb       | 0.330 mg                                                    | Class III Facility |
|                                   | 0.1 lb       | 0.050 mg                                                    | Class III Facility |
|                                   | 0.05 lb      | 0.087 mg                                                    | Class III Facility |
|                                   | 0.03 lb      | 0.050 mg                                                    | Class III Facility |
|                                   | 0.02 lb      | 0.033 mg                                                    | Class III Facility |
|                                   | 0.01 lb      | 0.018 mg                                                    | Class III Facility |
|                                   | 0.005 lb     | 0.013 mg                                                    | Class III Facility |
|                                   | 0.003 lb     | 0.008 mg                                                    | Class III Facility |
|                                   | 0.002 lb     | 0.005 mg                                                    | Class III Facility |
|                                   | 0.001 lb     | 0.002 mg                                                    | Class III Facility |
|                                   | 4 oz         | 0.42 mg                                                     | Class III Facility |
|                                   | 2 oz         | 0.214 mg                                                    | Class III Facility |
|                                   | 1 oz         | 0.113 mg                                                    | Class III Facility |
|                                   | 1/2 oz       | 0.062 mg                                                    | Class III Facility |
|                                   | 1/4 oz       | 0.027 mg                                                    | Class III Facility |
|                                   | 1/8 oz       | 0.015 mg                                                    | Class III Facility |
|                                   | 1/16 oz      | 0.009 mg                                                    | Class III Facility |
|                                   | 1/32 oz      | 0.007 mg                                                    | Class III Facility |

1. Represents an expanded uncertainty using a coverage factor,  $k=2$

NVLAP LAB CODE 105002-0

## SANDIA NATIONAL LABORATORIES

P.O. Box 5800, Mail Stop 0665

Albuquerque, NM 87185-0665

Contact: Mr. Ralph T. Johnson

Phone: 505-845-8241 Fax: 505-844-4372

Accreditation Valid Through: December 31, 1997

## ELECTROMAGNETICS/DC-LOW FREQUENCY

NVLAP Code: 20/E01

Voltage Converters

|              | <i>Best Uncertainty in ppm(<math>\pm</math>)<sup>note 1</sup></i> |            |            |             |             |              |              |              |            |
|--------------|-------------------------------------------------------------------|------------|------------|-------------|-------------|--------------|--------------|--------------|------------|
|              | <i>Frequency in Hertz</i>                                         |            |            |             |             |              |              |              |            |
| <i>Range</i> | <i>10</i>                                                         | <i>100</i> | <i>1 k</i> | <i>20 k</i> | <i>50 k</i> | <i>100 k</i> | <i>200 k</i> | <i>500 k</i> | <i>1 M</i> |
| 1 V          | 102                                                               | 20         | 23         | 17          | 26          | 42           | 71           | 73           | 75         |
| 2 V          | 101                                                               | 18         | 17         | 21          | 27          | 42           | 72           | 71           | 73         |
| 3 V          | 102                                                               | 16         | 18         | 17          | 27          | 42           | 71           | 73           | 75         |
| 4 V          | 101                                                               | 17         | 17         | 19          | 30          | 42           | 71           | 71           | 72         |
| 6 V          | 101                                                               | 16         | 16         | 17          | 27          | 41           | 72           | 74           | 76         |
| 10 V         | 101                                                               | 16         | 18         | 18          | 27          | 41           | 72           | 73           | 74         |
| 12 V         | 101                                                               | 18         | 18         | 16          | 27          | 42           | 72           | 72           | 73         |
| 20 V         | 104                                                               | 19         | 16         | 17          | 30          | 41           | 72           | 76           | 78         |
| 30 V         | 102                                                               | 17         | 16         | 16          | 27          | 42           | 71           | 76           | 77         |
| 40 V         | 101                                                               | 17         | 16         | 19          | 27          | 41           | 73           | 76           | 77         |
| 60 V         | 101                                                               | 23         | 16         | 17          | 27          | 42           | 71           | 71           | 74         |
| 100 V        | 101                                                               | 19         | 16         | 17          | 28          | 43           | 73           | 75           | 75         |
| 120 V        | 102                                                               | 22         | 21         | 22          | 31          | 52           |              |              |            |
| 200 V        | 101                                                               | 23         | 22         | 24          | 32          | 51           |              |              |            |
| 300 V        | 103                                                               | 29         | 25         | 25          | 34          | 56           |              |              |            |
| 400 V        | 102                                                               | 21         | 22         | 22          | 32          | 59           |              |              |            |
| 600 V        | 102                                                               | 23         | 22         | 21          | 33          | 57           |              |              |            |
| 1000 V       | 104                                                               | 31         | 29         | 31          | 43          | 69           |              |              |            |

# INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

NVLAP Code: 20/E01

AC Current Shunts

| Range  | Frequency | Best Uncertainty in percent( $\pm$ ) <sup>note 1</sup> |
|--------|-----------|--------------------------------------------------------|
| 10 mA  | 50 kHz    | 0.010                                                  |
| 25 mA  | 50 kHz    | 0.010                                                  |
| 50 mA  | 50 kHz    | 0.010                                                  |
| 100 mA | 50 kHz    | 0.010                                                  |
| 250 mA | 50 kHz    | 0.010                                                  |
| 500 mA | 50 kHz    | 0.010                                                  |
| 1 A    | 50 kHz    | 0.010                                                  |
| 1 A    | 100 kHz   | 0.014                                                  |
| 2.5 A  | 50 kHz    | 0.010                                                  |
| 5 A    | 50 Hz     | 0.009                                                  |
| 5 A    | 50 Hz     | 0.010                                                  |
| 5 A    | 50 kHz    | 0.010                                                  |
| 10 A   | 50 kHz    | 0.017                                                  |
| 20 A   | 50 Hz     | 0.014                                                  |
| 20 A   | 400 Hz    | 0.013                                                  |
| 20 A   | 1 kHz     | 0.013                                                  |
| 20 A   | 50 kHz    | 0.017                                                  |

NVLAP Code: 20/E03

Capacitance Dividers - Pulsed High-Voltage Condition

| Range       | Best Uncertainty in percent( $\pm$ ) <sup>note 1</sup> | Remarks               |
|-------------|--------------------------------------------------------|-----------------------|
| 1 to 350 kV | 2.0                                                    | 1 to 30 $\mu$ s Pulse |

NVLAP Code: 20/E05

DC Resistance

| Range in ohms   | Best Uncertainty in ppm( $\pm$ ) <sup>note 1</sup> | Remarks        |
|-----------------|----------------------------------------------------|----------------|
| 0.0001 to 0.001 | 11                                                 | Low Resistance |
| 0.001 to 0.01   | 4                                                  | Low Resistance |
| 0.01 to 0.1     | 2.5                                                | Low Resistance |
| 0.1 to 1        | 2                                                  | Low Resistance |
|                 |                                                    |                |
| 1               | 0.057                                              | Thomas         |

## INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| <i>Range in ohms</i>  | <i>Best Uncertainty in ppm(<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>   |
|-----------------------|-------------------------------------------------------------------|------------------|
| 1 to 10               | 1                                                                 |                  |
| 10 to 10 <sup>4</sup> | 0.5                                                               |                  |
| 10 k                  | 0.15                                                              | SR104            |
| 10 <sup>5</sup>       | 2                                                                 |                  |
| 10 <sup>6</sup>       | 3                                                                 |                  |
| 10 <sup>7</sup>       | 5                                                                 |                  |
| 10 <sup>9</sup>       | 10                                                                |                  |
|                       |                                                                   |                  |
| 10 <sup>5</sup>       | 240                                                               | with Teraohmeter |
| 10 <sup>9</sup>       | 330                                                               | with Teraohmeter |
| 10 <sup>10</sup>      | 470                                                               | with Teraohmeter |
| 10 <sup>11</sup>      | 670                                                               | with Teraohmeter |
| 10 <sup>12</sup>      | 1400                                                              | with Teraohmeter |
| 10 <sup>14</sup>      | 2000                                                              | with Teraohmeter |
| 10 <sup>14</sup>      | 3300                                                              | with Teraohmeter |
| 10 <sup>16</sup>      | 6700                                                              | with Teraohmeter |
| 10 <sup>16</sup>      | 7.0 %                                                             | with Teraohmeter |
|                       |                                                                   |                  |
| Special Resistors     |                                                                   |                  |
| <i>Range in ohms</i>  | <i>Best Uncertainty in ppm(<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>   |
| 2 and 5               | 0.5                                                               | Reichsanstalt    |
| 25 and 100            | 0.15                                                              | Tinsley          |
| 10 <sup>16</sup>      | 0.5                                                               | NBS              |
|                       |                                                                   |                  |
| Shunts                |                                                                   |                  |
| <i>Range</i>          | <i>Best Uncertainty in ppm(<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>   |
| 100 mA to 1000 A      | 2.5                                                               |                  |

# INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

NVLAP Code: 20/E06

DC Voltage

| Range                                        | Best Uncertainty( $\pm$ ) <sup>note 1</sup> | Remarks                                                                                                           |
|----------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1, 1.018 V                                   | 0.14 ppm                                    | Josephson Array System                                                                                            |
| 10.0 V                                       | 0.017 ppm                                   | Josephson Array System                                                                                            |
| 1.018 V                                      | 0.21 ppm                                    | Standard Cell System                                                                                              |
| 1.0 to 10.0 V                                | 0.26 ppm                                    | Zener Ref. System                                                                                                 |
| Voltage dividers - Potentiometer combination |                                             |                                                                                                                   |
| 1.5 V to 1500 V                              | 2.5 ppm                                     | Intermediate System                                                                                               |
| x1.0 range to 1.05 V                         | 0.5 ppm of reading +0.1 $\mu$ V             | Potentiometer only,k=3                                                                                            |
| x1.0 range above 1.05 V                      | 1.0 ppm of reading +0.1 $\mu$ V             | Potentiometer only,k=3                                                                                            |
| x0.1 range                                   | 1.5 ppm of reading +0.01 $\mu$ V            | Potentiometer only,k=3                                                                                            |
| x0.01 range                                  | 2.5 ppm of reading +0.005 $\mu$ V           | Potentiometer only,k=3                                                                                            |
| High Voltage                                 |                                             |                                                                                                                   |
| to 100 kV                                    | 140 ppm                                     | 200 kV system                                                                                                     |
| 100 kV to 200 kV                             | 140 ppm                                     | 200 kV system                                                                                                     |
| to 10 kV                                     | 0.2 %                                       | 10 kV system                                                                                                      |
| Ratio/Bridges                                |                                             |                                                                                                                   |
| 1:1 to 1:100,000                             | 0.5 x 10 <sup>7</sup> (ratio)               | For ratio based on 20 step first dial (k=3). For bridges, uncertainty combines ratio and resistance uncertainties |

NVLAP Code: 20/E08

Inductive Dividers

| Range            | Best Uncertainty in ppm( $\pm$ ) <sup>note 1</sup> | Remarks             |
|------------------|----------------------------------------------------|---------------------|
| 15, 35 and 100 V | 55                                                 | @ 60,1 k and 10 kHz |

NVLAP Code: 20/E10

LF Capacitance

| Range           | Best Uncertainty in ppm( $\pm$ ) <sup>note 1</sup> | Remarks |
|-----------------|----------------------------------------------------|---------|
| 0.01 to 1000 pF | 5                                                  | @ 1 kHz |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**
**NVLAP Code: 20/E11**
**LF Inductance**

|              | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> |            |             |
|--------------|-----------------------------------------------------------------------|------------|-------------|
| <i>Range</i> | <i>Frequency in Hz</i>                                                |            |             |
|              | <i>100</i>                                                            | <i>1 k</i> | <i>10 k</i> |
| 10 $\mu$ H   | 1.10                                                                  | 0.20       | 0.20        |
| 20 $\mu$ H   | 0.50                                                                  | 0.20       | 0.20        |
| 50 $\mu$ H   | 0.20                                                                  | 0.20       | 0.20        |
| 100 $\mu$ H  | 0.10                                                                  | 0.10       | 0.10        |
| 200 $\mu$ H  | 0.10                                                                  | 0.10       | 0.10        |
| 500 $\mu$ H  | 0.02                                                                  | 0.02       | 0.05        |
| 1 mH         | 0.02                                                                  | 0.02       | 0.06        |
| 2 mH         | 0.03                                                                  | 0.03       | 0.06        |
| 5 mH         | 0.03                                                                  | 0.03       | 0.06        |
| 10 mH        | 0.02                                                                  | 0.02       | 0.05        |
| 20 mH        | 0.02                                                                  | 0.02       | 0.05        |
| 50 mH        | 0.02                                                                  | 0.02       | 0.05        |
| 100 mH       | 0.02                                                                  | 0.02       | 0.05        |
| 200 mH       | 0.02                                                                  | 0.02       |             |
| 500 mH       | 0.02                                                                  | 0.02       |             |
| 1 H          | 0.02                                                                  | 0.05       |             |
| 2 H          | 0.02                                                                  | 0.05       |             |
| 5 H          | 0.02                                                                  | 0.10       |             |
| 10 H         | 0.02                                                                  | 0.20       |             |

**NVLAP Code: 20/E18**
**Resistive Dividers - Pulsed High-Voltage Condition**

| <i>Range</i> | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>        |
|--------------|-----------------------------------------------------------------------|-----------------------|
| 1 to 350 kV  | 1.0                                                                   | 1 to 30 $\mu$ s Pulse |

## TIME &amp; FREQUENCY

NVLAP Code: 20/F01

Frequency Dissemination

| Range   | Best Uncertainty( $\pm$ ) <sup>note 1</sup> | Remarks |
|---------|---------------------------------------------|---------|
| 0.1 MHz | 1 part in $10^{12}$                         |         |
| 1 MHz   | 1 part in $10^{12}$                         |         |
| 5 MHz   | 1 part in $10^{12}$                         |         |
| 10 MHz  | 1 part in $10^{12}$                         |         |

## ELECTROMAGNETICS/RF MICROWAVE

NVLAP Code: 20/R05

HF Capacitance

|             | Best Uncertainty in percent( $\pm$ ) <sup>note 1</sup> |      |      |       |      |
|-------------|--------------------------------------------------------|------|------|-------|------|
|             | Frequency in Hz                                        |      |      |       |      |
| Range in pF | 100                                                    | 1 k  | 10 k | 100 k | 1 M  |
| 0.01        |                                                        | 0.20 |      | 1.3   |      |
| 0.1         |                                                        | 0.05 |      | 1.3   |      |
| 1           |                                                        | 0.02 |      | 0.04  |      |
| 10          |                                                        | 0.01 |      | 0.02  |      |
| 100         |                                                        | 0.01 |      | 0.01  |      |
| 1000        |                                                        | 0.01 |      | 0.04  |      |
|             |                                                        |      |      |       |      |
| 1           |                                                        | 0.02 |      | 0.2   | 0.30 |
| 2           |                                                        | 0.02 |      | 0.35  | 0.02 |
| 5           |                                                        | 0.02 |      | 0.22  | 0.26 |
| 10          |                                                        | 0.10 |      | 0.14  | 0.15 |
| 20          |                                                        | 0.10 |      | 0.13  | 0.01 |
|             |                                                        |      |      |       |      |
| 50          |                                                        |      |      | 0.03  | 0.02 |
| 100         |                                                        |      |      | 0.02  | 0.02 |
| 200         |                                                        |      |      | 0.01  | 0.01 |
| 500         |                                                        |      |      | 0.02  | 0.01 |
| 1000        |                                                        |      |      | 0.02  | 0.03 |

## INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

|                    | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> |            |             |              |            |
|--------------------|-----------------------------------------------------------------------|------------|-------------|--------------|------------|
|                    | <i>Frequency in Hz</i>                                                |            |             |              |            |
| <i>Range in pF</i> | <i>100</i>                                                            | <i>1 k</i> | <i>10 k</i> | <i>100 k</i> | <i>1 M</i> |
| 10                 |                                                                       | 0.0001     |             |              |            |
| 100                |                                                                       | 0.0001     |             |              |            |
| 1                  | 0.01                                                                  | 0.01       | 0.01        | 0.01         | 0.01       |
| 10                 | 0.01                                                                  | 0.01       | 0.01        | 0.01         | 0.01       |
| 100                | 0.01                                                                  | 0.01       | 0.01        | 0.01         | 0.01       |
| 1000               | 0.01                                                                  | 0.01       | 0.01        | 0.01         | 0.01       |

NVLAP Code: 20/R06

HF Inductance

|              | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> |              |            |             |
|--------------|-----------------------------------------------------------------------|--------------|------------|-------------|
|              | <i>Frequency in Hz</i>                                                |              |            |             |
| <i>Range</i> | <i>10 k</i>                                                           | <i>100 k</i> | <i>1 M</i> | <i>10 M</i> |
| 0.1 $\mu$ H  |                                                                       | 2.19         | 4.00       |             |
| 0.2 $\mu$ H  |                                                                       | 2.03         | 2.03       |             |
| 0.5 $\mu$ H  |                                                                       | 0.80         | 4.00       |             |
| 1.0 $\mu$ H  |                                                                       | 0.80         | 0.92       |             |
| 2.0 $\mu$ H  |                                                                       | 0.31         | 0.73       |             |
| 0.1 $\mu$ H  |                                                                       | 0.25         | 0.09       |             |
| 10 $\mu$ H   |                                                                       | 0.39         | 0.63       |             |
| 25 $\mu$ H   |                                                                       | 0.32         | 0.16       |             |
| 50 $\mu$ H   |                                                                       | 0.26         | 0.12       |             |
| 100 $\mu$ H  |                                                                       | 0.24         | 0.11       |             |
| 250 $\mu$ H  |                                                                       | 0.32         | 0.16       |             |
| 500 $\mu$ H  |                                                                       | 0.26         | 0.09       |             |
| 1 mH         |                                                                       | 0.24         |            |             |
| 2.5 mH       |                                                                       | 0.25         |            |             |
| 5 mH         |                                                                       | 0.80         |            |             |
| 10 mH        |                                                                       | 0.29         |            |             |
| 25 mH        |                                                                       | 0.25         |            |             |

|              | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> |              |            |             |
|--------------|-----------------------------------------------------------------------|--------------|------------|-------------|
|              | <i>Frequency in Hz</i>                                                |              |            |             |
| <i>Range</i> | <i>10 k</i>                                                           | <i>100 k</i> | <i>1 M</i> | <i>10 M</i> |
| 0.25 $\mu$ H | 1.2                                                                   | 1.4          | 1.7        | 0.8         |
| 1 $\mu$ H    | 0.4                                                                   | 0.5          | 0.6        | 0.8         |
| 10 $\mu$ H   | 0.4                                                                   | 0.4          | 0.6        | 0.1         |
| 100 $\mu$ H  | 0.2                                                                   | 0.2          | 0.2        |             |

NVLAP Code: 20/R10

Q Standards

| <i>Range</i>                   | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                      |
|--------------------------------|-----------------------------------------------------------------------|-------------------------------------|
| Selected values from 95 to 607 | 1.2 to 4.5 dependent on Q value and frequency                         | frequency range<br>50 kHz to 45 MHz |

NVLAP Code: 20/R11

RF-DC Voltage Converter

High Frequency TVC

|              | <i>Best Uncertainty in percent(<math>\pm</math>)<sup>note 1</sup></i> |             |             |             |              |
|--------------|-----------------------------------------------------------------------|-------------|-------------|-------------|--------------|
|              | <i>Frequency in Hz</i>                                                |             |             |             |              |
| <i>Range</i> | <i>1 M</i>                                                            | <i>10 M</i> | <i>30 M</i> | <i>50 M</i> | <i>100 M</i> |
| 0.5 V        | 0.06                                                                  | 0.11        | 0.21        | 0.51        | 1.1          |
| 1 V          | 0.06                                                                  | 0.11        | 0.21        | 0.51        | 1.1          |
| 2 V          | 0.06                                                                  | 0.11        | 0.21        | 0.51        | 1.1          |
| 2.5 V        | 0.06                                                                  | 0.11        | 0.21        | 0.51        | 1.1          |
| 3 V          | 0.06                                                                  | 0.11        | 0.21        | 0.51        | 1.1          |
| 5 V          | 0.06                                                                  | 0.11        | 0.21        |             | 1.1          |
| 10 V         | 0.06                                                                  | 0.11        | 0.21        |             | 1.1          |
| 20 V         | 0.06                                                                  | 0.11        | 0.21        |             | 1.1          |
| 50 V         | 0.06                                                                  | 0.11        | 0.22        |             | 1.2          |
| 100 V        | 0.06                                                                  | 0.11        | 0.27        |             | 1.5          |
| 200 V        | 0.06                                                                  | 0.12        | 0.21        |             | 1.1          |

|                     |                                                        |       |       |       |       |        |
|---------------------|--------------------------------------------------------|-------|-------|-------|-------|--------|
|                     | Best Uncertainty in percent( $\pm$ ) <sup>note 1</sup> |       |       |       |       |        |
|                     | Frequency in Hz                                        |       |       |       |       |        |
| RF TVC              |                                                        |       |       |       |       |        |
|                     | Best Uncertainty in percent( $\pm$ ) <sup>note 1</sup> |       |       |       |       |        |
|                     | Frequency in Hz                                        |       |       |       |       |        |
| Range               | 300 M                                                  | 600 M | 700 M | 800 M | 900 M | 1000 M |
| 1 V                 | 1.3                                                    | 1.3   | 1.3   | 1.3   | 1.3   | 1.3    |
| 2.4 V               | 1.3                                                    | 1.3   | 1.3   | 1.3   | 1.3   | 1.3    |
| 7 V                 | 1.3                                                    | 1.3   | 1.3   | 1.3   | 1.3   | 1.3    |
|                     |                                                        |       |       |       |       |        |
| Micropotentiometers |                                                        |       |       |       |       |        |
|                     | Best Uncertainty in percent( $\pm$ ) <sup>note 1</sup> |       |       |       |       |        |
|                     | Frequency in Hz                                        |       |       |       |       |        |
| Range               | 30 M                                                   | 100 M | 300 M | 600 M | 900 M |        |
| 0.1 mV              | 2.32                                                   | 3.56  | 3.36  | 5.10  | 5.10  |        |
| 0.2 mV              | 0.54                                                   | 1.07  | 1.02  | 1.38  | 1.42  |        |
| 0.4 mV              | 2.34                                                   | 3.44  | 3.16  | 5.10  | 5.10  |        |
| 0.8 mV              | 0.54                                                   | 1.07  | 1.05  | 1.38  | 1.39  |        |
| 1 mV                | 2.24                                                   | 3.33  | 3.21  | 5.10  | 5.10  |        |
| 1.5 mV              | 0.59                                                   | 1.02  | 1.02  | 1.38  | 1.39  |        |
| 4 mV                | 0.53                                                   | 1.07  | 1.21  | 1.38  | 1.39  |        |
| 5 mV                | 2.24                                                   | 3.44  | 3.17  | 5.10  | 5.10  |        |
| 10 mV               | 2.24                                                   | 3.19  | 3.16  | 5.10  | 5.10  |        |
| 11 mV               | 2.25                                                   | 3.17  | 3.58  | 5.10  | 5.10  |        |
| 25 mV               | 0.48                                                   | 1.07  | 0.97  | 1.28  | 1.30  |        |
| 28.5 mV             | 2.52                                                   | 3.44  | 3.95  | 5.10  |       |        |
| 102 mV              | 0.53                                                   | 0.99  | 1.08  | 1.30  | 1.28  |        |
| 150 mV              | 0.43                                                   | 0.99  | 1.06  | 1.32  | 1.28  |        |
| 320 mV              | 2.24                                                   | 3.23  | 3.18  | 5.10  | 5.10  |        |
| 330 mV              | 0.45                                                   | 1.01  | 0.98  | 1.38  | 1.29  |        |

**NVLAP Code: 20/R12**

RF/Microwave Bolometer Units

Expanded Uncertainties<sup>notes 1,2,3</sup> on Effective Efficiency & Calibration Factor of HP bolometric power sensors.

| Connector Type | Quantity             | Quantity Range | Frequency (MHz) |             |             |             |
|----------------|----------------------|----------------|-----------------|-------------|-------------|-------------|
|                |                      |                | 50-2000         | 2000-8000   | 8000-12000  | 12000-18000 |
| N              | Calibration Factor   | 0.9 to 1       | 0.004-0.006     | 0.004-0.006 | 0.005-0.007 | 0.006-0.008 |
| APC-3.5        | Calibration Factor   | 0.9 to 1       | -----           | 0.007-0.009 | 0.009-0.010 | 0.010-0.011 |
| N              | Effective Efficiency | 0.9 to 1       | 0.004-0.005     | 0.004-0.005 | 0.005-0.006 | 0.006-0.008 |
| APC-3.5        | Effective Efficiency | 0.9 to 1       | -----           | 0.007-0.008 | 0.008-0.009 | 0.009-0.010 |

**NVLAP Code: 20/R13**

RF/Microwave Attenuators

Reflection Coefficient (or Scattering Parameter S<sub>ii</sub>)

A. Dual 6-Port Network Analyzer Certification Uncertainties <sup>notes 2,3,4</sup>

| Connector Type | Quantity              | Quantity Range                                 | Frequency (MHz) |             |             |             |
|----------------|-----------------------|------------------------------------------------|-----------------|-------------|-------------|-------------|
|                |                       |                                                | 50-2000         | 2000-8000   | 8000-12000  | 12000-18000 |
| GR-900         | S <sub>ii</sub>       | 0 to 1                                         | 0.002-0.003     | 0.002-0.015 | -----       | -----       |
| N              | S <sub>ii</sub>       | 0 to 1                                         | 0.002-0.008     | 0.002-0.027 | 0.006-0.018 | 0.006-0.030 |
| APC-7          | S <sub>ii</sub>       | 0 to 1                                         | 0.002-0.006     | 0.002-0.009 | 0.003-0.018 | 0.005-0.015 |
| APC-3.5        | S <sub>ii</sub>       | 0 to 1                                         | 0.002-0.012     | 0.002-0.015 | 0.006-0.013 | 0.012-0.050 |
| GR-900         | Arg(S <sub>ii</sub> ) | 0 <  S <sub>ii</sub>   < 1<br>-180 to +180 deg | 0.120-180.0     | 0.019-180.0 | -----       | -----       |
| N              | Arg(S <sub>ii</sub> ) | 0 <  S <sub>ii</sub>   < 1<br>-180 to +180 deg | 0.360-180.0     | 0.300-180.0 | 0.600-180.0 | 0.800-180.0 |
| APC-7          | Arg(S <sub>ii</sub> ) | 0 <  S <sub>ii</sub>   < 1<br>-180 to +180 deg | 0.012-180.0     | 0.200-180.0 | 0.540-180.0 | 0.525-180.0 |
| APC-3.5        | Arg(S <sub>ii</sub> ) | 0 <  S <sub>ii</sub>   < 1<br>-180 to +180 deg | 0.360-180.0     | 0.240-180.0 | 0.540-180.0 | 0.560-180.0 |

## B. HP8510 Vector Network Analyzer Uncertainties

1. Expanded Uncertainties <sup>notes 1,2,3</sup> on one- or two-port devices

| Connector Type | Quantity             | Quantity Range                         | Frequency (MHz) |             |             |             |
|----------------|----------------------|----------------------------------------|-----------------|-------------|-------------|-------------|
|                |                      |                                        | 50-2000         | 2000-8000   | 8000-12000  | 12000-18000 |
| N              | $ S_{ii} $           | 0 to 1                                 | 0.001-0.003     | 0.001-0.009 | 0.004-0.009 | 0.004-0.021 |
| APC-7          | $ S_{ii} $           | 0 to 1                                 | 0.001-0.007     | 0.001-0.003 | 0.003-0.007 | 0.001-0.004 |
| APC-3.5        | $ S_{ii} $           | 0 to 1                                 | 0.001-0.007     | 0.004-0.020 | 0.004-0.020 | 0.004-0.020 |
| N              | $\text{Arg}(S_{ii})$ | $0 <  S_{ii}  < 1$<br>-180 to +180 deg | 0.05-180        | 0.36-180    | 1.43-180    | 1.34-180    |
| APC-7          | $\text{Arg}(S_{ii})$ | $0 <  S_{ii}  < 1$<br>-180 to +180 deg | 0.05-180        | 0.16-180    | 0.33-180    | 0.38-180    |
| APC-3.5        | $\text{Arg}(S_{ii})$ | $0 <  S_{ii}  < 1$<br>-180 to +180 deg | 0.53-180        | 0.33-180    | 0.35-180    | 0.33-180    |

2. Certification Uncertainties <sup>notes 2,3,4</sup> on three-port devices

| Connector Type    | Quantity        | Quantity Range | Frequency (MHz) |               |               |               |
|-------------------|-----------------|----------------|-----------------|---------------|---------------|---------------|
|                   |                 |                | 50-2000         | 2000-8000     | 8000-12000    | 12000-18000   |
| N, APC-7, APC-3.5 | $ S_{ii} $      | 0 to 0.3       | 0.011 - 0.075   | 0.011 - 0.075 | 0.03 - 0.09   | 0.050 - 0.092 |
| N, APC-7, APC-3.5 | $ \Gamma_{ge} $ | 0 to 0.3       | 0.011 - 0.080   | 0.012 - 0.080 | 0.030 - 0.084 | 0.071 - 0.119 |

C. HP8753 Vector Network Analyzer Certification Uncertainties <sup>notes 2,3,4</sup>

## 1. One- or two-port devices

| Connector Type | Quantity             | Quantity Range                         | Frequency (MHz) |             |
|----------------|----------------------|----------------------------------------|-----------------|-------------|
|                |                      |                                        | 25-1000         | 1000-3000   |
| N              | $ S_{ii} $           | 0 to 1                                 | 0.001-0.009     | 0.003-0.016 |
| APC-7          | $ S_{ii} $           | 0 to 1                                 | 0.002-0.04      | 0.002-0.004 |
| APC-3.5        | $ S_{ii} $           | 0 to 1                                 | 0.006-0.02      | 0.006-0.035 |
| N              | $\text{Arg}(S_{ii})$ | $0 <  S_{ii}  < 1$<br>-180 to +180 deg | 0.2-70          | 1-180       |
| APC-7          | $\text{Arg}(S_{ii})$ | $0 <  S_{ii}  < 1$<br>-180 to +180 deg | 0.3-180         | 0.2-25      |

| Connector Type | Quantity             | Quantity Range                         | Frequency (MHz) |           |
|----------------|----------------------|----------------------------------------|-----------------|-----------|
|                |                      |                                        | 25-1000         | 1000-3000 |
| APC-3.5        | $\text{Arg}(S_{ii})$ | $0 <  S_{ii}  < 1$<br>-180 to +180 deg | 1-180           | 1.6-180   |

## 2. Three-port devices

| Connector Type   | Quantity        | Quantity Range | 25-1000 (MHz) |
|------------------|-----------------|----------------|---------------|
| N, APC-7-APC-3.5 | $ S_{ii} $      | 0 to 0.3       | 0.011 - 0.020 |
| N, APC-7-APC-3.5 | $ \Gamma_{ge} $ | 0 to 0.3       | 0.01 - 0.03   |

D. Weinschel VM-4B Certification Uncertainties <sup>notes 2,3,4</sup>

| Connector Type   | Quantity   | Quantity Range | Frequency (MHz)          |             |             |             |
|------------------|------------|----------------|--------------------------|-------------|-------------|-------------|
|                  |            |                | 10-2000                  | 2000-8000   | 8000-12000  | 12000-18000 |
| N                | $ S_{ii} $ | 0 to 1         | 0.025-0.080              | 0.031-0.085 | 0.040-0.090 | 0.046-0.112 |
| APC-7            | $ S_{ii} $ | 0 to 1         | 0.011-0.075              | 0.015-0.080 | 0.030-0.085 | 0.036-0.106 |
| BNC <sup>5</sup> | $ S_{ii} $ | 0 to 1         | 0.026-0.060 <sup>5</sup> | -----       | -----       | -----       |

Attenuation (or Scattering Parameter  $S_{ij}$ )

A. Dual 6-Port Network Analyzer Certification Uncertainties <sup>notes 2,3,4</sup>

| Connector Type | Quantity   | Quantity Range | Frequency (MHz) |             |             |             |
|----------------|------------|----------------|-----------------|-------------|-------------|-------------|
|                |            |                | 50-2000         | 2000-8000   | 8000-12000  | 12000-18000 |
| GR-900         | $ S_{ij} $ | 0 to 60 dB     | 0.012-0.390     | 0.015-0.410 | -----       | -----       |
| N              | $ S_{ij} $ | 0 to 60 dB     | 0.012-0.390     | 0.015-0.410 | 0.018-0.410 | 0.021-0.900 |
| APC-7          | $ S_{ij} $ | 0 to 60 dB     | 0.012-0.390     | 0.015-0.410 | 0.020-0.410 | 0.021-0.900 |
| APC-3.5        | $ S_{ij} $ | 0 to 60 dB     | 0.012-0.150     | 0.015-0.410 | 0.020-0.410 | 0.030-0.90  |

## B. HP8510 Vector Network Analyzer Uncertainties

1. Expanded Uncertainties<sup>notes 1,2,3</sup> on one- or two-port devices

| Connector Type | Quantity             | Quantity Range                         | Frequency (MHz) |           |            |             |
|----------------|----------------------|----------------------------------------|-----------------|-----------|------------|-------------|
|                |                      |                                        | 50-2000         | 2000-8000 | 8000-12000 | 12000-18000 |
| N              | $ S_{ij} $           | 0 to 60 dB                             | 0.01-0.12       | 0.02-0.17 | 0.03-0.25  | 0.03-0.48   |
| APC-7          | $ S_{ij} $           | 0 to 60 dB                             | 0.01-0.08       | 0.01-0.13 | 0.01-0.13  | 0.01-0.18   |
| APC-3.5        | $ S_{ij} $           | 0 to 60 dB                             | 0.01-0.12       | 0.02-0.22 | 0.04-0.25  | 0.05-0.49   |
| N              | $\text{Arg}(S_{ij})$ | $0 <  S_{ij}  < 60$ dB<br>0 to 360 deg | 0.22-1.19       | 0.32-1.27 | 0.36-1.84  | 0.58-3.46   |
| APC-7          | $\text{Arg}(S_{ij})$ | $0 <  S_{ij}  < 60$ dB<br>0 to 360 deg | 0.22-0.73       | 0.25-1.21 | 0.41-1.70  | 0.57-2.85   |
| APC-3.5        | $\text{Arg}(S_{ij})$ | $0 <  S_{ij}  < 60$ dB<br>0 to 360 deg | 0.45-0.80       | 0.35-1.39 | 0.41-1.94  | 0.66-3.17   |

2. Certification Uncertainties<sup>notes 2,3,4</sup> on three-port devices

| Connector Type    | Quantity                    | Quantity Range | Frequency (MHz) |                |                |                |
|-------------------|-----------------------------|----------------|-----------------|----------------|----------------|----------------|
|                   |                             |                | 50-2000         | 2000-8000      | 8000-12000     | 12000-18000    |
| N, APC-7, APC-3.5 | $ \text{Coupling} $ (dB)    | 3-40 dB        | 0.071 - 0.320   | 0.110 - 0.500  | 0.012 - 0.500  | 0.320 - 0.600  |
| N, APC-7, APC-3.5 | $ \text{Mainline} $ (dB)    | 0 to 8 dB      | 0.020 - 0.221   | 0.020 - 0.221  | 0.020 - 0.221  | 0.131 - .290   |
| N, APC-7, APC-3.5 | $ \text{Directivity} $ (dB) | 15-25 dB       | 0.19 - 9.2      | 0.53 - 9.2     | 0.80 - 9.2     | 1.55 - 9.2     |
| N, APC-7, APC-3.5 | $ \text{Directivity} $ (dB) | 30-40 dB       | 1.0 - $\infty$  | 2.6 - $\infty$ | 5.7 - $\infty$ | 7.2 - $\infty$ |

C. HP8753 Vector Network Analyzer Certification Uncertainties<sup>notes 2,3,4</sup>

## 1. One- or two-port devices

| Connector Type | Quantity   | Quantity Range | Frequency (MHz) |           |
|----------------|------------|----------------|-----------------|-----------|
|                |            |                | 25-1000         | 1000-3000 |
| N              | $ S_{ij} $ | 0 to 60 dB     | 0.003-0.5       | 0.004-1.2 |
| APC-7          | $ S_{ij} $ | 0 to 60 dB     | 0.002-0.6       | 0.003-0.9 |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**

|         |                      |                                        |           |           |
|---------|----------------------|----------------------------------------|-----------|-----------|
| APC-3.5 | $ S_{ij} $           | 0 to 60 dB                             | 0.003-0.6 | 0.003-1.0 |
| APC-3.5 | $\text{Arg}(S_{ij})$ | $0 <  S_{ij}  < 60$ dB<br>0 to 360 deg | 0.4-10    | 0.4-10    |

**2. Three-port devices**

| <i>Connector Type</i> | <i>Quantity</i>   | <i>Quantity Range</i> | <i>25-1000 (MHz)</i> |
|-----------------------|-------------------|-----------------------|----------------------|
| N, APC-7-APC-3.5      | Coupling  (dB)    | 3-20 dB               | 0.050 - 0.230        |
| N, APC-7-APC-3.5      | Mainline  (dB)    | 0 to 8 dB             | 0.020 - 0.050        |
| N, APC-7-APC-3.5      | Directivity  (dB) | 15-25 dB              | 0.9 - 3.8            |
| N, APC-7-APC-3.5      | Directivity  (dB) | 30-40 dB              | 4 - $\infty$         |

**D. Weinschel VM-4B Certification Uncertainties <sup>notes 2,3,4</sup> on Attenuation**

|                       |                 |                       | <i>Frequency (MHz)</i> |                  |                   |                    |
|-----------------------|-----------------|-----------------------|------------------------|------------------|-------------------|--------------------|
| <i>Connector Type</i> | <i>Quantity</i> | <i>Quantity Range</i> | <i>10-2000</i>         | <i>2000-8000</i> | <i>8000-12000</i> | <i>12000-18000</i> |
| N                     | $ S_{ij} $      | 0 to 100 dB           | 0.06-0.60              | 0.10-1.10        | 0.25-1.52         | 0.38-1.80          |
| APC-7                 | $ S_{ij} $      | 0 to 100 dB           | 0.06-0.60              | 0.10-1.00        | 0.20-1.43         | 0.30-1.75          |
| BNC <sup>5</sup>      | $ S_{ij} $      | 0 to 100 dB           | 0.10-0.90 <sup>5</sup> | -----            | -----             | -----              |

**E. Power Ratio Attenuation Expanded Uncertainties <sup>notes 1,2,3</sup>**

|                                                |                 |                       | <i>Frequency (MHz)</i>            |                                   |                                   |                                   |
|------------------------------------------------|-----------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <i>Connector Type</i>                          | <i>Quantity</i> | <i>Quantity Range</i> | <i>10-2000</i>                    | <i>2000-8000</i>                  | <i>8000-12000</i>                 | <i>12000-18000</i>                |
| FIXED ATTENUATORS OR STEP/VARIABLE ATTENUATORS |                 |                       |                                   |                                   |                                   |                                   |
| N, APC-7<br>APC-3.5                            | $ S_{ij} $      | 0 to 11 dB            | 0.008-0.014<br>+ Mismatch<br>Unc. | 0.014-0.016<br>+ Mismatch<br>Unc. | 0.013-0.015<br>+ Mismatch<br>Unc. | 0.015-0.018<br>+ Mismatch<br>Unc. |
| ISOLATED STEP/VARIABLE ATTENUATORS             |                 |                       |                                   |                                   |                                   |                                   |
| N, APC-7<br>APC-3.5                            | $ S_{ij} $      | 0 to 11 dB            | 0.008-0.014                       | 0.014-0.016                       | 0.013-0.015                       | 0.015-0.018                       |

# INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

## NVLAP Code: 20/R16

Group Delay

Group Delay Certification Uncertainties<sup>notes 2,3,4</sup>

| Connector Type    | Typical Atten.<br>(dB) | Delay<br>(ns) | 50-1000<br>(MHz) |
|-------------------|------------------------|---------------|------------------|
| APC-7, N, APC-3.5 | 0.08                   | 5             | 0.02 - 0.05      |
| APC-7, N, APC-3.5 | 0.21                   | 15            | 0.04 - 0.13      |
| APC-7, N, APC-3.5 | 0.8                    | 50            | 0.05 - 0.12      |
| APC-7, N, APC-3.5 | 3                      | 200           | 0.15 - 0.41      |
| APC-7, N, APC-3.5 | 2.2                    | 385           | 0.46 - 0.50      |

## NVLAP Code: 20/R17

RF/Microwave Power Meters

CW Power Certification Uncertainties<sup>notes 2,3,4</sup>

### A. Low to Medium Power CW Microwave Power Meter Calibration at Type N Connector

|             |                | Frequency (MHz) |               |               |                |
|-------------|----------------|-----------------|---------------|---------------|----------------|
| Quantity    | Quantity Range | 1 to 2000       | 2000 to 4000  | 4000 to 12400 | 12400 to 16500 |
| Power (dBm) | -30 to -10     | .09 to .41 dB   | .13 to .41 dB | .14 to .34 dB | .16 to .46 dB  |
| Power (dBm) | -10 to 10      | .06 to .27 dB   | .10 to .25 dB | .11 to .30 dB | -----          |
| Power (dBm) | 10 to 30       | .06 to .25 dB   | .10 to .21 dB | .11 to .24 dB | -----          |

### B. Low Power, Wide Range, CW Microwave Power Meter Calibration at Type N Connector

|             |                | Frequency (MHz) |                 |                 |
|-------------|----------------|-----------------|-----------------|-----------------|
| Quantity    | Quantity Range | 30 to 4000      | 4000 to 8000    | 8000 to 12400   |
| Power (dBm) | -60 to -50     | 0.20 to 0.41 dB | 0.25 to 0.43 dB | 0.24 to 0.43 dB |
| Power (dBm) | -50 to -40     | 0.18 to 0.29 dB | 0.23 to 0.35 dB | 0.22 to 0.35 dB |
| Power (dBm) | -40 to -30     | 0.14 to 0.25 dB | 0.16 to 0.32 dB | 0.20 to 0.32 dB |
| Power (dBm) | -30 to -20     | 0.14 to 0.23 dB | 0.16 to 0.27 dB | 0.18 to 0.27 dB |

C. Medium Power CW Microwave Power Meter Calibration at Type N Connector

|                 |                       | <i>Frequency (MHz)</i> |              |                     |
|-----------------|-----------------------|------------------------|--------------|---------------------|
| <i>Quantity</i> | <i>Quantity Range</i> | <i>12 to 1000</i>      | <i>240</i>   | <i>2000 to 2500</i> |
| Power (mW)      | 1 to 10               | 1.7 to 3.3 %           | -----        | -----               |
| Power (mW)      | 1 to 100              | -----                  | -----        | 3.1 to 4.3 %        |
| Power (mW)      | 80 to 160             | -----                  | 1.9 to 2.4 % | -----               |

D. Medium Power CW Microwave Power Meter Calibrations at APC-3.5 Connector

|                 |                       | <i>Frequency (MHz)</i> |                     |                      |
|-----------------|-----------------------|------------------------|---------------------|----------------------|
| <i>Quantity</i> | <i>Quantity Range</i> | <i>2000 to 4000</i>    | <i>4000 to 8000</i> | <i>8000 to 18000</i> |
| Power (mW)      | 0.1 to 8              | 2.8 to 4.0 %           | 3.0 to 4.9 %        | 4.0 to 5.8 %         |

E. High Power CW Microwave Power Meter Calibrations at Type N Connector

|                 |                       | <i>Frequency (MHz)</i> |                    |
|-----------------|-----------------------|------------------------|--------------------|
| <i>Quantity</i> | <i>Quantity Range</i> | <i>13.6 to 300</i>     | <i>300 to 3000</i> |
| Power (Watts)   | 0.2 to 10             | 9.0 to 9.1 %           | 3.3 to 10.6 %      |
| Power (Watts)   | 10 to 200             | 4.4 to 10.1 %          | 9.6 to 10.6 %      |

Pulse Power Certification Uncertainties<sup>notes 2,3,4</sup>

A. Pulse Power Meter Calibrations at Type N Connector

|                 |                       | <i>Frequency (MHz)</i> |
|-----------------|-----------------------|------------------------|
| <i>Quantity</i> | <i>Quantity Range</i> | <i>2000</i>            |
| Power (mW)      | 10 to 100             | 7.3 to 8.2 %           |

1. Expanded uncertainty with coverage factor of  $k=2$ , unless otherwise specified.
2. Approximate value. Actual value determined by test results.
3. The uncertainty ranges are the lowest and highest uncertainty values within the specified frequency range and quantity range.
4. Uncertainty consists of an appropriate combination of the measurement uncertainty (which includes all significant sources of uncertainty associated with the calibration process) and uncertainties due to use, environment, handling or variation with time over the certification interval.
5. Maximum frequency for BNC is 1000 MHz.

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Accreditation Valid Through: December 31, 1997

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>      |
|-----------------------------------|--------------|-------------------------------------------------------------|---------------------|
| <b>MECHANICAL</b>                 |              |                                                             |                     |
| 20/M08                            |              |                                                             |                     |
| Mass                              |              |                                                             |                     |
|                                   | 1000 kg      | 10377 mg                                                    | Equal Arm Balance   |
|                                   | 500 kg       | 5069 mg                                                     | Equal Arm Balance   |
|                                   | 300 kg       | 3200 mg                                                     | Equal Arm Balance   |
|                                   | 200 kg       | 2258 mg                                                     | Equal Arm Balance   |
|                                   | 100 kg       | 1299 mg                                                     | Equal Arm Balance   |
|                                   |              |                                                             |                     |
|                                   | 50 kg        | 99.7 mg                                                     | Double Substitution |
|                                   | 30 kg        | 63.0 mg                                                     | Double Substitution |
|                                   | 20 kg        | 44.6 mg                                                     | Double Substitution |
|                                   | 10 kg        | 0.036 mg                                                    | Double Substitution |
|                                   | 5 kg         | 0.247 mg                                                    | Double Substitution |
|                                   | 3 kg         | 0.156 mg                                                    | Double Substitution |
|                                   | 2 kg         | 0.156 mg                                                    | Double Substitution |
|                                   | 1 kg         | 0.036 mg                                                    | Double Substitution |
|                                   | 500 g        | 0.021 mg                                                    | Double Substitution |
|                                   | 300 g        | 0.016 mg                                                    | Double Substitution |
|                                   | 200 g        | 0.016 mg                                                    | Double Substitution |
|                                   | 100 g        | 0.014 mg                                                    | Double Substitution |
|                                   | 50 g         | 0.0097 mg                                                   | Double Substitution |
|                                   | 30 g         | 0.0072 mg                                                   | Double Substitution |
|                                   | 20 g         | 0.0063 mg                                                   | Double Substitution |
|                                   | 10 g         | 0.0068 mg                                                   | Double Substitution |
|                                   | 5 g          | 0.0036 mg                                                   | Double Substitution |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>      |
|-----------------------------------|--------------|-------------------------------------------------------------|---------------------|
|                                   | 3 g          | 0.0024 mg                                                   | Double Substitution |
|                                   | 2 g          | 0.0018 mg                                                   | Double Substitution |
|                                   | 1 g          | 0.0016 mg                                                   | Double Substitution |
|                                   | 500 mg       | 0.00048 mg                                                  | Double Substitution |
|                                   | 300 mg       | 0.00060 mg                                                  | Double Substitution |
|                                   | 200 mg       | 0.00048 mg                                                  | Double Substitution |
|                                   | 100 mg       | 0.00048 mg                                                  | Double Substitution |
|                                   | 50 mg        | 0.00050 mg                                                  | Double Substitution |
|                                   | 30 mg        | 0.00046 mg                                                  | Double Substitution |
|                                   | 20 mg        | 0.00046 mg                                                  | Double Substitution |
|                                   | 10 mg        | 0.00054 mg                                                  | Double Substitution |
|                                   | 5 mg         | 0.00034 mg                                                  | Double Substitution |
|                                   | 3 mg         | 0.00028 mg                                                  | Double Substitution |
|                                   | 2 mg         | 0.00028 mg                                                  | Double Substitution |
|                                   | 1 mg         | 0.00028 mg                                                  | Double Substitution |
|                                   |              |                                                             |                     |
|                                   | 1000 kg      | 23203 mg                                                    | Tolerance Test      |
|                                   | 500 kg       | 11335 mg                                                    | Tolerance Test      |
|                                   | 300 kg       | 7155 mg                                                     | Tolerance Test      |
|                                   | 200 kg       | 5049 mg                                                     | Tolerance Test      |
|                                   | 100 kg       | 2904 mg                                                     | Tolerance Test      |
|                                   | 50 kg        | 222.8 mg                                                    | Tolerance Test      |
|                                   | 30 kg        | 140.9 mg                                                    | Tolerance Test      |
|                                   | 20 kg        | 99.6 mg                                                     | Tolerance Test      |
|                                   | 10 kg        | 32.18 mg                                                    | Tolerance Test      |
|                                   | 5 kg         | 1.65 mg                                                     | Tolerance Test      |
|                                   | 3 kg         | 1.61 mg                                                     | Tolerance Test      |
|                                   | 2 kg         | 1.59 mg                                                     | Tolerance Test      |
|                                   | 1 kg         | 1.58 mg                                                     | Tolerance Test      |
|                                   | 500 g        | 1.58 mg                                                     | Tolerance Test      |
|                                   | 300 g        | 1.58 mg                                                     | Tolerance Test      |
|                                   | 200 g        | 0.031 mg                                                    | Tolerance Test      |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                       |
|-----------------------------------|--------------|-------------------------------------------------------------|--------------------------------------|
|                                   | 100 g        | 0.032 mg                                                    | Tolerance Test                       |
|                                   | 50 g         | 0.024 mg                                                    | Tolerance Test                       |
|                                   | 30 g         | 0.020 mg                                                    | Tolerance Test                       |
|                                   | 20 g         | 0.019 mg                                                    | Tolerance Test                       |
|                                   | 10 g         | 0.020 mg                                                    | Tolerance Test                       |
|                                   | 5 g          | 0.016 mg                                                    | Tolerance Test                       |
|                                   | 3 g          | 0.015 mg                                                    | Tolerance Test                       |
|                                   | 2 g          | 0.015 mg                                                    | Tolerance Test                       |
|                                   | 1 g          | 0.015 mg                                                    | Tolerance Test                       |
|                                   | 500 mg       | 0.0147 mg                                                   | Tolerance Test                       |
|                                   | 300 mg       | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 200 mg       | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 100 mg       | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 50 mg        | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 30 mg        | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 20 mg        | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 10 mg        | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 5 mg         | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 3 mg         | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 2 mg         | 0.0146 mg                                                   | Tolerance Test                       |
|                                   | 1 mg         | 0.0146 mg                                                   | Tolerance Test                       |
| <b>DIMENSIONAL</b>                |              |                                                             |                                      |
| 20/D13                            |              |                                                             |                                      |
| Surveying Rods and Tapes          |              |                                                             |                                      |
|                                   | 1 - 12 in    | 0.003 in                                                    | Rigid Rules (Comparison to Standard) |
|                                   | 13 - 24 in   | 0.008 in                                                    | Rigid Rules (Comparison to Standard) |
|                                   |              |                                                             |                                      |
|                                   | 1 - 10 ft    | 0.0042 ft                                                   | Metal Tapes (Bench Method)           |
|                                   | 20 ft        | 0.0055 ft                                                   | Metal Tapes (Bench Method)           |
|                                   | 30 ft        | 0.0067 ft                                                   | Metal Tapes (Bench Method)           |

## INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| NVLAP Code/<br>Parameters | Range        | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks                    |
|---------------------------|--------------|----------------------------------------------|----------------------------|
|                           | 40 ft        | 0.0082 ft                                    | Metal Tapes (Bench Method) |
|                           | 50 ft        | 0.0095 ft                                    | Metal Tapes (Bench Method) |
|                           | 60 ft        | 0.0103 ft                                    | Metal Tapes (Bench Method) |
|                           | 80 ft        | 0.0124 ft                                    | Metal Tapes (Bench Method) |
|                           | 80 ft        | 0.0139 ft                                    | Metal Tapes (Bench Method) |
|                           | 90 ft        | 0.0108 ft                                    | Metal Tapes (Bench Method) |
|                           | 100 ft       | 0.0169 ft                                    | Metal Tapes (Bench Method) |
|                           | 110 ft       | 0.0182 ft                                    | Metal Tapes (Bench Method) |
|                           | 120 ft       | 0.0095 ft                                    | Metal Tapes (Bench Method) |
|                           | 100 ft       | 0.0212 ft                                    | Metal Tapes (Bench Method) |
|                           | 140 ft       | 0.0228 ft                                    | Metal Tapes (Bench Method) |
|                           | 100 ft       | 0.0242 ft                                    | Metal Tapes (Bench Method) |
|                           | 160 ft       | 0.0228 ft                                    | Metal Tapes (Bench Method) |
|                           | 170 ft       | 0.0228 ft                                    | Metal Tapes (Bench Method) |
|                           |              |                                              |                            |
|                           | 180 ft       | 0.0212 ft                                    | Metal Tape (Bench Method)  |
|                           | 120 ft       | 0.0288 ft                                    | Metal Tape (Bench Method)  |
|                           | 200 ft       | 0.0301 ft                                    | Metal Tape (Bench Method)  |
|                           |              |                                              |                            |
|                           | 1 - 50 ft    | 0.0054 ft                                    | Steel Tape (Tape-to-Tape)  |
|                           | 60 - 100 ft  | 0.0108 ft                                    | Steel Tape (Tape-to-Tape)  |
|                           | 110 - 150 ft | 0.0182 ft                                    | Steel Tape (Tape-to-Tape)  |
|                           | 160 - 200 ft | 0.0215 ft                                    | Steel Tape (Tape-to-Tape)  |
| <b>MECHANICAL</b>         |              |                                              |                            |
| 20/M12                    |              |                                              |                            |
| Volume and Density        |              |                                              |                            |
|                           | 10000 ml     | 0.6248 ml                                    | Gravimetric Method         |
|                           | 1000 ml      | 0.0628 ml                                    | Gravimetric Method         |
|                           | 100 ml       | 0.00617 ml                                   | Gravimetric Method         |
|                           | 10 ml        | 0.00063 ml                                   | Gravimetric Method         |
|                           | 1 ml         | 0.00010 ml                                   | Gravimetric Method         |

## INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| NVLAP Code/<br>Parameters         | Range                 | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks                                           |
|-----------------------------------|-----------------------|----------------------------------------------|---------------------------------------------------|
|                                   | 100 gal               | 17.088 ml                                    | Gravimetric Method                                |
|                                   | 50 gal                | 13.000 ml                                    | Gravimetric Method                                |
|                                   | 25 gal                | 10.160 ml                                    | Gravimetric Method                                |
|                                   | 5 gal                 | 0.309 in <sup>3</sup>                        | Volumetric Provers (Volumetric Transfer Method)   |
|                                   | 1500 gal              | 35.372 in <sup>3</sup>                       | Large Volume Provers (Volumetric Transfer Method) |
|                                   | 1000 gal              | 24.243 in <sup>3</sup>                       | Large Volume Provers (Volumetric Transfer Method) |
|                                   | 500 gal               | 13.063 in <sup>3</sup>                       | Large Volume Provers (Volumetric Transfer Method) |
|                                   | 100 gal               | 3.797 in <sup>3</sup>                        | Large Volume Provers (Volumetric Transfer Method) |
|                                   | 100 gal               | 11.97 in <sup>3</sup>                        | LPG Provers (Volumetric Transfer Method)          |
| <b>THERMODYNAMICS</b>             |                       |                                              |                                                   |
| 20/T03<br>Laboratory Thermometers |                       |                                              |                                                   |
|                                   | Triple Point of Water | 0.00061 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 10 °C                 | 0.00542 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 20 °C                 | 0.00494 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 30 °C                 | 0.00502 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 40 °C                 | 0.00512 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 50 °C                 | 0.00522 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 60 °C                 | 0.00532 °C                                   | Liquid-in-glass, digital thermometers             |
|                                   | 70 °C                 | 0.00543 °C                                   | Liquid-in-glass, digital thermometers             |

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                        |
|-----------------------------------|--------------|-------------------------------------------------------------|---------------------------------------|
|                                   | 80 °C        | 0.00555 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 90 °C        | 0.00568 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 100 °C       | 0.00563 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 150 °C       | 0.00568 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 200 °C       | 0.00754 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 250 °C       | 0.00921 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 450 °C       | 0.01473 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 400 °C       | 0.01859 °C                                                  | Liquid-on-glass, digital thermometers |
|                                   | 450 °C       | 0.02252 °C                                                  | Liquid-in-glass, digital thermometers |
|                                   | 500 °C       | 0.02649 °C                                                  | Liquid-in-glass, digital thermometers |

- 
1. Represents an expanded uncertainty using a coverage factor,  $k=2$

## U.S. ARMY PRIMARY STANDARDS LABORATORY

Attn: AMSMI-TMDE-S

Redstone Arsenal, AL 35898-5400

Contact: Dr. James R. Jones

Phone: 205-876-2666 Fax: 205-876-6014

E-mail: jjones@redstone.army.mil

Accreditation Valid Through: December 31, 1997

| <i>NVLAP Code/<br/>Parameters</i>        | <i>Range</i>             | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                  |
|------------------------------------------|--------------------------|-------------------------------------------------------------|---------------------------------|
| <b>ELECTROMAGNETICS/DC-LOW FREQUENCY</b> |                          |                                                             |                                 |
| 20/E06<br>DC Volts                       |                          |                                                             |                                 |
|                                          | 0 - 10 volts             | 0.04 ppm                                                    | Josephson Array System          |
| <b>TIME AND FREQUENCY</b>                |                          |                                                             |                                 |
| 20/F01<br>Frequency                      |                          |                                                             |                                 |
|                                          | 0.1 MHz                  | $1 \times 10^{-12}$                                         | NIST FMS System                 |
|                                          | 1 MHz                    | $1 \times 10^{-12}$                                         | NIST FMS System                 |
|                                          | 5 MHz                    | $1 \times 10^{-12}$                                         | NIST FMS System                 |
|                                          | 10 MHz                   | $1 \times 10^{-12}$                                         | NIST FMS System                 |
| <b>THERMODYNAMICS</b>                    |                          |                                                             |                                 |
| Resistance Thermometry<br>20/T07         |                          |                                                             |                                 |
|                                          | 0.01 °C                  | 0.001 °C                                                    | Triple Point of Water           |
|                                          | -189.3442 to -38.8344 °C | 0.002 °C                                                    | Triple Point of Argon & Mercury |
|                                          | 29.7646 °C               | 0.002 °C                                                    | Melting Point of Gallium        |
|                                          | 231.928 to 419.527 °C    | 0.002 °C                                                    | Freeze Point of Tin & Zinc      |

| NVLAP Code/<br>Parameters              | Range                       | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks                                                     |
|----------------------------------------|-----------------------------|----------------------------------------------|-------------------------------------------------------------|
| <b>IONIZING RADIATION</b>              |                             |                                              |                                                             |
| Radioactive Sources<br>20/I04          |                             |                                              |                                                             |
|                                        | 0 to 1 x 10 <sup>6</sup> Bq | 5 %                                          | Large Area Sources,<br><sup>238</sup> Pu, <sup>239</sup> Pu |
| <b>ELECTROMAGNETICS/RF MICROWAVE</b>   |                             |                                              |                                                             |
| RF/Microwave Bolometer Units<br>20/R12 |                             |                                              |                                                             |
|                                        | <b>Frequency</b>            | <b>Calibration Factor</b>                    |                                                             |
|                                        | 0.0001 to 18 GHz            | 0.7 to 2.0 %                                 | Coaxial, Type N<br>Connector                                |
|                                        | 7 to 10 GHz                 | 2.0%                                         | H Band (WR-112)<br>Waveguide                                |
|                                        | 8.2 to 12.4 GHz             | 1.8%                                         | X Band (WR-90)<br>Waveguide                                 |
|                                        | 12.4 to 18.0 GHz            | 2.0%                                         | Ku Band (WR-62)<br>Waveguide                                |
|                                        | 18.0 to 26.5 GHz            | 2.5%                                         | K Band (WR-42)<br>Waveguide                                 |
|                                        | 26.5 to 40.0 GHz            | 2.5%                                         | Ka Band (WR-28)<br>Waveguide                                |
|                                        | 43.0 to 45.0 GHz            | 1.0%                                         | Q Band (WR-22)<br>Waveguide                                 |
|                                        | 58.0 to 62.0 GHz            | 3.0%                                         | V Band (WR-15)<br>Waveguide                                 |
|                                        | 93.0 to 96.0 GHz            | 4.0%                                         | W Band (WR-10)<br>Waveguide                                 |

1. Represents an expanded uncertainty using a coverage factor, k=2

NVLAP LAB CODE 105006-0

**GEORGIA DEPARTMENT OF AGRICULTURE  
WEIGHTS & MEASURES LABORATORY**

16 Forest Parkway  
Forest Park, GA 30050  
Contact: Mr. Martin T. Coile  
Phone: 404-363-7685 Fax: 404-362-4928

Accreditation Valid Through: March 31, 1997

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i> |
|-----------------------------------|--------------|-------------------------------------------------------------|----------------|
| <b>MECHANICAL</b>                 |              |                                                             |                |
| 20/M08                            |              |                                                             |                |
| Mass                              |              |                                                             |                |
|                                   | 1000 kg      | 2.05 g                                                      |                |
|                                   | 500 kg       | 2.05 g                                                      |                |
|                                   | 300 kg       | 1.55 g                                                      |                |
|                                   | 200 kg       | 1.55 g                                                      |                |
|                                   | 100 kg       | 0.997 g                                                     |                |
|                                   | 50 kg        | 123 mg                                                      |                |
|                                   | 30 kg        | 101 mg                                                      |                |
|                                   | 25 kg        | 6.44 mg                                                     |                |
|                                   | 20 kg        | 97.7 mg                                                     |                |
|                                   | 10 kg        | 6.44 mg                                                     |                |
|                                   | 5 kg         | 5.95 mg                                                     |                |
|                                   | 3 kg         | 5.27 mg                                                     |                |
|                                   | 2 kg         | 1.60 mg                                                     |                |
|                                   | 1 kg         | 0.232 mg                                                    |                |
|                                   | 500 g        | 0.161 mg                                                    |                |
|                                   | 300 g        | 0.145 mg                                                    |                |
|                                   | 200 g        | 0.133 mg                                                    |                |
|                                   | 100 g        | 0.071 mg                                                    |                |
|                                   | 50 g         | 0.049 mg                                                    |                |
|                                   | 30 g         | 0.040 mg                                                    |                |
|                                   | 20 g         | 0.032 mg                                                    |                |
|                                   | 10 g         | 0.037 mg                                                    |                |
|                                   | 5 g          | 0.020 mg                                                    |                |

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                           |
|-----------------------------------|--------------|-------------------------------------------------------------|------------------------------------------|
|                                   | 3 g          | 0.012 mg                                                    |                                          |
|                                   | 2 g          | 0.008 mg                                                    |                                          |
|                                   | 1 g          | 0.006 mg                                                    |                                          |
|                                   | 500 mg       | 0.003 mg                                                    |                                          |
|                                   | 300 mg       | 0.003 mg                                                    |                                          |
|                                   | 200 mg       | 0.003 mg                                                    |                                          |
|                                   | 100 mg       | 0.003 mg                                                    |                                          |
|                                   | 50 mg        | 0.003 mg                                                    |                                          |
|                                   | 30 mg        | 0.003 mg                                                    |                                          |
|                                   | 20 mg        | 0.003 mg                                                    |                                          |
|                                   | 10 mg        | 0.003 mg                                                    |                                          |
|                                   | 5 mg         | 0.003 mg                                                    |                                          |
|                                   | 3 mg         | 0.003 mg                                                    |                                          |
|                                   | 2 mg         | 0.003 mg                                                    |                                          |
|                                   | 1 mg         | 0.003 mg                                                    |                                          |
| 20/M12<br>Volume and Density      |              |                                                             |                                          |
|                                   | 1/2 Pint     | 0.213 cm <sup>3</sup>                                       | equivalent to $\pm$ 3.44 Minims          |
|                                   | 1 Quart      | 0.229 cm <sup>3</sup>                                       | equivalent to $\pm$ 3.74 Minims          |
|                                   | 5 Gallon     | 8.357 cm <sup>3</sup>                                       | equivalent to $\pm$ 0.51 in <sup>3</sup> |

1. Represents an expanded uncertainty using a coverage factor, k=2

## STATE OF VIRGINIA METROLOGY LAB

1 North 14th Street, Room 025

Richmond, VA 23219-3691

Contact: Mr. Michael J. Kramer

Phone: 804-786-0479 Fax: 804-371-0351

Accreditation Valid Through: September 30, 1997

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i> |
|-----------------------------------|--------------|-------------------------------------------------------------|----------------|
| <b>MECHANICAL</b>                 |              |                                                             |                |
| 20/M08<br>Mass                    |              |                                                             |                |
|                                   | 500 kg       | 4567 mg                                                     | Tolerance Test |
|                                   | 300 kg       | 4567 mg                                                     | Tolerance Test |
|                                   | 200 kg       | 2755 mg                                                     | Tolerance Test |
|                                   | 100 kg       | 2755 mg                                                     | Tolerance Test |
|                                   | 50 kg        | 278.9 mg                                                    | Tolerance Test |
|                                   | 30 kg        | 277.9 mg                                                    | Tolerance Test |
|                                   | 25 kg        | 277.5 mg                                                    | Tolerance Test |
|                                   | 20 kg        | 277.4 mg                                                    | Tolerance Test |
|                                   | 10 kg        | 277.1 mg                                                    | Tolerance Test |
|                                   | 5 kg         | 277.2 mg                                                    | Tolerance Test |
|                                   | 3 kg         | 277.2 mg                                                    | Tolerance Test |
|                                   | 2 kg         | 1.56 mg                                                     | Tolerance Test |
|                                   | 1 kg         | 0.576 mg                                                    | Tolerance Test |
|                                   | 500 g        | 0.267 mg                                                    | Tolerance Test |
|                                   | 300 g        | 0.266 mg                                                    | Tolerance Test |
|                                   | 200 g        | 0.266 mg                                                    | Tolerance Test |
|                                   | 100 g        | 0.033 mg                                                    | Tolerance Test |
|                                   | 50 g         | 0.028 mg                                                    | Tolerance Test |
|                                   | 30 g         | 0.027 mg                                                    | Tolerance Test |
|                                   | 20 g         | 0.026 mg                                                    | Tolerance Test |
|                                   | 10 g         | 0.014 mg                                                    | Tolerance Test |
|                                   | 5 g          | 0.009 mg                                                    | Tolerance Test |
|                                   | 3 g          | 0.008 mg                                                    | Tolerance Test |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>             |
|-----------------------------------|--------------|-------------------------------------------------------------|----------------------------|
|                                   | 2 g          | 0.008 mg                                                    | Tolerance Test             |
|                                   | 1 g          | 0.007 mg                                                    | Tolerance Test             |
|                                   | 500 mg       | 0.0048 mg                                                   | Tolerance Test             |
|                                   | 300 mg       | 0.0048 mg                                                   | Tolerance Test             |
|                                   | 200 mg       | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 100 mg       | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 50 mg        | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 30 mg        | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 20 mg        | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 10 mg        | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 5 mg         | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 3 mg         | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 2 mg         | 0.0047 mg                                                   | Tolerance Test             |
|                                   | 1 mg         | 0.0047 mg                                                   | Tolerance Test             |
| <b>DIMENSIONAL</b>                |              |                                                             |                            |
| 20/D13<br>Survey Rods and Tapes   |              |                                                             |                            |
|                                   | 0 to 25 ft   | 0.0015 inches                                               | Metal Tapes (Bench Method) |
|                                   | 25 to 50 ft  | 0.003 inches                                                | Metal Tapes (Bench Method) |
|                                   | 50 to 75 ft  | 0.0045 inches                                               | Metal Tapes (Bench Method) |
|                                   | 75 to 100 ft | 0.006 inches                                                | Metal Tapes (Bench Method) |
|                                   |              |                                                             |                            |
|                                   | 0 to 25 ft   | 0.003 inches                                                | Steel Tapes (Tape to Tape) |
|                                   | 25 to 50 ft  | 0.006 inches                                                | Steel Tapes (Tape to Tape) |
|                                   | 50 to 75 ft  | 0.009 inches                                                | Steel Tapes (Tape to Tape) |
|                                   | 75 to 100 ft | 0.012 inches                                                | Steel Tapes (Tape to Tape) |
| <b>MECHANICAL</b>                 |              |                                                             |                            |
| 20/M12<br>Volume and Density      |              |                                                             |                            |
|                                   | 1.0 gill     | 0.002 gill                                                  | Volume Transfer            |
|                                   | 0.5 pint     | 0.001 pint                                                  | Volume Transfer            |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i>    | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                                                                        |
|-----------------------------------|-----------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                   | 1.0 pint        | 0.0005 pint                                                 | Volume Transfer                                                                       |
|                                   | 1.0 quart       | 0.0002 quart                                                | Volume Transfer                                                                       |
|                                   | 0.5 gallon      | 0.0002 gallon                                               | Volume Transfer                                                                       |
|                                   | 1.0 gallon      | 0.00016 gallon                                              | Volume Transfer                                                                       |
|                                   | 50 mL           | 0.13 mL                                                     | Volume Transfer                                                                       |
|                                   | 100 mL          | 0.26 mL                                                     | Volume Transfer                                                                       |
|                                   | 200 mL          | 0.26 mL                                                     | Volume Transfer                                                                       |
|                                   | 500 mL          | 0.26 mL                                                     | Volume Transfer                                                                       |
|                                   | 1 Liter         | 0.0003 Liter                                                | Volume Transfer                                                                       |
|                                   | 2 Liter         | 0.0003 Liter                                                | Volume Transfer                                                                       |
|                                   | 5 Liter         | 0.0003 Liter                                                | Volume Transfer                                                                       |
|                                   | 5 gallon        | 0.0034 gallon                                               | Volume Transfer                                                                       |
|                                   | 100 gallon      | 0.05 gallon                                                 | Volume Transfer                                                                       |
|                                   | > 100 gallon    | 0.05 gallon or 12 in <sup>3</sup>                           | Volume Transfer                                                                       |
| <b>THERMODYNAMICS</b>             |                 |                                                             |                                                                                       |
| 20/T03<br>Laboratory Thermometers |                 |                                                             |                                                                                       |
|                                   | 0 °C to 85 °C   | 0.2 °C                                                      | Liquid-in-glass                                                                       |
| <b>TIME AND FREQUENCY</b>         |                 |                                                             |                                                                                       |
| 20/F01<br>Frequency               |                 |                                                             |                                                                                       |
|                                   | 1000 to 6000 Hz | 0.047 mph                                                   | Tuning forks at frequencies used in law enforcement converted to miles per hour (mph) |

1. Represents an expanded uncertainty using a coverage factor, k=2

NVLAP LAB CODE 105013-0

**HENRY TROEMNER, INC.**  
 6825 Greenway Avenue  
 Philadelphia, PA 19142-1294  
 Contact: Mr. Wilbert D. Abele  
 Phone: 215-724-0800 Fax: 215-724-9663  
 E-mail: troemner@troemner.com

Accreditation Valid Through: September 30, 1997

| <i>NVLAP Code/<br/>Parameters</i>   | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)</i> <sup>note 1 &amp; 2</sup> | <i>Remarks</i> <sup>note 3</sup> |
|-------------------------------------|--------------|----------------------------------------------------------------------|----------------------------------|
| <b>MECHANICAL</b><br>20/M08<br>Mass |              |                                                                      |                                  |
|                                     | 30 kg        | 12.41 mg                                                             |                                  |
|                                     | 20 kg        | 9.24 mg                                                              |                                  |
|                                     | 10 kg        | 4.47 mg                                                              |                                  |
|                                     | 5 kg         | 2.76 mg                                                              |                                  |
|                                     | 3 kg         | 1.07 mg                                                              |                                  |
|                                     | 2 kg         | 0.73 mg                                                              |                                  |
|                                     | 1 kg         | 0.228 mg                                                             |                                  |
|                                     | 500 g        | 0.115 mg                                                             |                                  |
|                                     | 300 g        | 0.069 mg                                                             |                                  |
|                                     | 200 g        | 0.047 mg                                                             |                                  |
|                                     | 100 g        | 0.035 mg                                                             |                                  |
|                                     | 50 g         | 0.0187 mg                                                            |                                  |
|                                     | 30 g         | 0.113 mg                                                             |                                  |
|                                     | 20 g         | 0.0081 mg                                                            |                                  |
|                                     | 10 g         | 0.0096 mg                                                            |                                  |
|                                     | 5 g          | 0.0052 mg                                                            |                                  |
|                                     | 3 g          | 0.0053 mg                                                            |                                  |
|                                     | 2 g          | 0.0026 mg                                                            |                                  |
|                                     | 1 g          | 0.0025 mg                                                            |                                  |
|                                     | 500 mg       | 0.0017 mg                                                            |                                  |
|                                     | 300 mg       | 0.0015 mg                                                            |                                  |
|                                     | 200 mg       | 0.0010 mg                                                            |                                  |
|                                     | 100 mg       | 0.0010 mg                                                            |                                  |

## INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i>                       | <i>Best Uncertainty (<math>\pm</math>)</i> <sup>note 1 &amp; 2</sup> | <i>Remarks</i> <sup>note 3</sup> |
|-----------------------------------|------------------------------------|----------------------------------------------------------------------|----------------------------------|
|                                   | 50 mg                              | 0.0008 mg                                                            |                                  |
|                                   | 30 mg                              | 0.0007 mg                                                            |                                  |
|                                   | 20 mg                              | 0.0007 mg                                                            |                                  |
|                                   | 10 mg                              | 0.0010 mg                                                            |                                  |
|                                   | 5 mg                               | 0.0008 mg                                                            |                                  |
|                                   | 3 mg                               | 0.0007 mg                                                            |                                  |
|                                   | 2 mg                               | 0.0007 mg                                                            |                                  |
|                                   | 1 mg                               | 0.0004 mg                                                            |                                  |
|                                   |                                    |                                                                      |                                  |
|                                   | <b>Class III Tolerance Testing</b> |                                                                      |                                  |
|                                   | 1000 kg                            | 10.34 g                                                              | Class III Facility               |
|                                   | 500 kg                             | 5.03 g                                                               | Class III Facility               |
|                                   | 200 kg                             | 3.26 g                                                               | Class III Facility               |
|                                   | 100 kg                             | 1.64 g                                                               | Class III Facility               |
|                                   | 50 kg                              | 0.087 g                                                              | Class III Facility               |
|                                   | 30 kg                              | 0.072 g                                                              | Class III Facility               |
|                                   | 25 kg                              | 0.066 g                                                              | Class III Facility               |
|                                   | 20 kg                              | 0.057 g                                                              | Class III Facility               |
|                                   | 10 kg                              | 0.024 g                                                              | Class III Facility               |
|                                   | 5 kg                               | 18.30 mg                                                             | Class III Facility               |
|                                   | 3 kg                               | 16.77 mg                                                             | Class III Facility               |
|                                   | 2 kg                               | 11.52 mg                                                             | Class III Facility               |
|                                   | 1 kg                               | 10.09 mg                                                             | Class III Facility               |
|                                   | 500 g                              | 10.02 mg                                                             | Class III Facility               |
|                                   | 300 g                              | 10.01 mg                                                             | Class III Facility               |
|                                   |                                    |                                                                      |                                  |
|                                   | 3000 lb                            | 16.791 g                                                             | Class III Facility               |
|                                   | 2500 lb                            | 13.551 g                                                             | Class III Facility               |
|                                   | 2000 lb                            | 10.312 g                                                             | Class III Facility               |
|                                   | 1000 lb                            | 5.178 g                                                              | Class III Facility               |
|                                   | 500 lb                             | 3.841 g                                                              | Class III Facility               |
|                                   | 100 lb                             | 0.088 g                                                              | Class III Facility               |

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)</i> <sup>note 1 &amp; 2</sup> | <i>Remarks</i> <sup>note 3</sup> |
|-----------------------------------|--------------|----------------------------------------------------------------------|----------------------------------|
|                                   | 50 lb        | 0.054 g                                                              | Class III Facility               |
|                                   | 30 lb        | 0.046 g                                                              | Class III Facility               |
|                                   | 25 lb        | 0.035 g                                                              | Class III Facility               |
|                                   | 20 lb        | 0.029 g                                                              | Class III Facility               |
|                                   | 10 lb        | 0.018 g                                                              | Class III Facility               |
|                                   | 5 lb         | 10.572 mg                                                            | Class III Facility               |
|                                   | 3 lb         | 10.127 mg                                                            | Class III Facility               |
|                                   | 2 lb         | 10.093 mg                                                            | Class III Facility               |
|                                   | 1 lb         | 10.019 mg                                                            | Class III Facility               |
|                                   | 0.5 lb       | 10.005 mg                                                            | Class III Facility               |

- 
1. Represents expanded uncertainty using a coverage factor,  $k=2$ .
  2. Approximate value. Actual value determined by the test statistics
  3. Class III Facility located at 700 Carpenters Crossing, Folcroft, PA 19032

NVLAP LAB CODE 105014-0

## SOUTHERN CALIFORNIA EDISON COMPANY

7300 Fenwick Lane

Westminster, CA 92683

Contact: Mr. Jack Burdick

Phone: 714-895-0422 Fax: 714-895-0686

Accreditation Valid Through: March 31, 1997

| NVLAP Code/<br>Parameters | Range  | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks |
|---------------------------|--------|----------------------------------------------|---------|
| <b>MECHANICAL</b>         |        |                                              |         |
| 20/M08                    |        |                                              |         |
| Mass                      |        |                                              |         |
|                           | 30 kg  | 41.0 mg                                      |         |
|                           | 20 kg  | 29.5 mg                                      |         |
|                           | 10 kg  | 10.0 mg                                      |         |
|                           | 5 kg   | 3.5 mg                                       |         |
|                           | 2 kg   | 2.8 mg                                       |         |
|                           | 1 kg   | 0.250 mg                                     |         |
|                           | 500 g  | 0.125 mg                                     |         |
|                           | 200 g  | 0.080 mg                                     |         |
|                           | 100 g  | 0.030 mg                                     |         |
|                           | 50 g   | 0.0295 mg                                    |         |
|                           | 20 g   | 0.020 mg                                     |         |
|                           | 10 g   | 0.0195 mg                                    |         |
|                           | 5 g    | 0.0060 mg                                    |         |
|                           | 2 g    | 0.0070 mg                                    |         |
|                           | 1 g    | 0.0060 mg                                    |         |
|                           | 500 mg | 0.0016 mg                                    |         |
|                           | 200 mg | 0.0025 mg                                    |         |
|                           | 100 mg | 0.0016 mg                                    |         |
|                           | 50 mg  | 0.0016 mg                                    |         |
|                           | 20 mg  | 0.0013 mg                                    |         |
|                           | 10 mg  | 0.0013 mg                                    |         |
|                           | 5 mg   | 0.0013 mg                                    |         |
|                           | 2 mg   | 0.0011 mg                                    |         |

| <i>NVLAP Code/<br/>Parameters</i>          | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                       |
|--------------------------------------------|--------------|-------------------------------------------------------------|--------------------------------------|
|                                            | 1 mg         | 0.0011 mg                                                   |                                      |
| <b>ELECTROMAGNETICS - DC/LOW FREQUENCY</b> |              |                                                             |                                      |
| 20/E06<br>DC Voltage                       |              |                                                             |                                      |
|                                            | 10.00 V      | 0.4 ppm                                                     | Reference Cells                      |
|                                            | 1.018 V      | 0.47 ppm                                                    |                                      |
|                                            | 1.000 V      | 0.47 ppm                                                    |                                      |
|                                            | 100 mV       | 2.6 ppm                                                     | Meters and Multifunction Calibrators |
|                                            | 1.0 V        | 1.1 ppm                                                     |                                      |
|                                            | 10.0 V       | 1.1 ppm                                                     |                                      |
|                                            | 100.0 V      | 1.1 ppm                                                     |                                      |
|                                            | 1000.0 V     | 1.2 ppm                                                     |                                      |

1. Represents an expanded uncertainty using a coverage factor,  $k=2$

NVLAP LAB CODE 105016-0

## FLUKE CORPORATION PRIMARY STANDARDS LABORATORY

6920 Seaway Boulevard  
P.O. Box 9090  
Everett, WA 98206-9090  
Contact: Mr. Raymond D. Kletke  
Phone: 206-356-5694 Fax: 206-356-5992  
E-mail: rdk@tc.fluke.com

Accreditation Valid Through: June 30, 1997

| <i>NVLAP Code/<br/>Parameters</i>          | <i>Range</i>        | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>                      |
|--------------------------------------------|---------------------|-------------------------------------------------------------|-------------------------------------|
| <b>ELECTROMAGNETICS - DC/LOW FREQUENCY</b> |                     |                                                             |                                     |
| 20/E06<br>DC Voltage                       |                     |                                                             |                                     |
| Reference Standards                        |                     |                                                             |                                     |
|                                            | 10.00 V             | 0.02 ppm <sup>note 2</sup>                                  | Direct Comparison - in lab          |
|                                            | 10.00 V             | 0.06 ppm <sup>note 2</sup>                                  | Direct Comparison - remote location |
| Well Isolated DC Sources or Voltmeters     |                     |                                                             |                                     |
|                                            | 200 $\mu$ V to 10 V | 0.1(V) <sup>0.3</sup> $\mu$ V <sup>note 2</sup>             | Direct against J Array              |
|                                            | 10 V to 100 V       | 0.7 ppm <sup>note 2</sup>                                   | J Array & Divider                   |
|                                            | 100 V to 1000 V     | 1.0 ppm <sup>note 2</sup>                                   | J Array & Divider                   |
| Calibrators or Digital Voltmeters          |                     |                                                             |                                     |
|                                            | 0.1 V               | 4.5 ppm                                                     | Transfer Method                     |
|                                            | 1.0 V               | 1.0 ppm                                                     | Transfer Method                     |
|                                            | 10.0 V              | 0.4 ppm                                                     | Transfer Method                     |
|                                            | 100.0 V             | 0.7 ppm                                                     | Transfer Method                     |
|                                            | 1000.0 V            | 1.0 ppm                                                     | Transfer Method                     |

# INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

NVLAP Code: 20/E01

AC/DC Difference for Low Frequency Voltage

Best Uncertainty in ppm( $\pm$ )<sup>note 1</sup>

Frequency in Hertz

| Range  | Level  | 40  | 20  | 40  | 100 | 1k  | 20k | 20k | 50k | 800k | 300k | 500k | 800k | 1M   |
|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 22 mV  | 2 mV   | 800 | 700 | 100 | 100 | 100 | 100 | 100 | 600 | 700  | 1000 | 1200 | 1500 | 1500 |
| 22 mV  | 6 mV   | 350 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200  | 100  | 300  | 100  | 300  |
| 22 mV  | 10 mV  | 280 | 100 | 100 | 100 | 100 | 100 | 100 | 200 | 300  | 400  | 500  | 100  | 100  |
| 22 mV  | 20 mV  | 200 | 120 | 100 | 100 | 100 | 100 | 100 | 150 | 300  | 500  | 600  | 800  | 800  |
| 220 mV | 20 mV  | 150 | 120 | 100 | 100 | 100 | 100 | 100 | 150 | 300  | 500  | 600  | 800  | 800  |
| 220 mV | 60 mV  | 200 | 60  | 40  | 40  | 40  | 40  | 40  | 40  | 100  | 100  | 200  | 100  | 300  |
| 220 mV | 100 mV | 120 | 50  | 35  | 35  | 35  | 30  | 30  | 60  | 120  | 180  | 250  | 325  | 325  |
| 220 mV | 200 mV | 100 | 60  | 30  | 20  | 26  | 20  | 20  | 40  | 80   | 100  | 200  | 280  | 280  |
| 700 mV | 200 mV | 100 | 60  | 40  | 30  | 30  | 30  | 30  | 35  | 100  | 100  | 220  | 270  | 270  |
| 700 mV | 600 mV | 150 | 40  | 20  | 20  | 20  | 20  | 20  | 35  | 55   | 100  | 110  | 110  | 110  |
| 2.2 V  | 0.6 V  | 150 | 40  | 28  | 20  | 20  | 20  | 20  | 35  | 55   | 100  | 110  | 110  | 110  |
| 2.2 V  | 1 V    | 150 | 40  | 20  | 40  | 40  | 40  | 40  | 35  | 45   | 100  | 110  | 110  | 110  |
| 2.2 V  | 2 V    | 150 | 40  | 20  | 7   | 7   | 7   | 7   | 35  | 45   | 100  | 110  | 110  | 110  |
| 7 V    | 2 V    | 150 | 40  | 25  | 10  | 40  | 40  | 40  | 35  | 45   | 100  | 110  | 110  | 110  |
| 7 V    | 6 V    | 150 | 40  | 20  | 8   | 8   | 8   | 8   | 35  | 45   | 100  | 110  | 110  | 110  |
| 22 V   | 6 V    | 150 | 40  | 25  | 40  | 40  | 10  | 10  | 40  | 45   | 100  | 110  | 110  | 110  |
| 22 V   | 10 V   | 150 | 40  | 20  | 13  | 13  | 13  | 13  | 35  | 45   | 100  | 110  | 110  | 110  |
| 22 V   | 20 V   | 150 | 40  | 20  | 13  | 13  | 13  | 13  | 35  | 45   | 100  | 110  | 110  | 110  |
| 70 V   | 20 V   | 150 | 40  | 25  | 20  | 20  | 20  | 20  | 40  | 80   | 100  | 110  | 110  | 110  |
| 70 V   | 60 V   | 150 | 40  | 20  | 45  | 45  | 45  | 45  | 40  | 55   | 100  |      |      |      |
| 220 V  | 60 V   | 150 | 40  | 25  | 15  | 15  | 15  | 15  | 40  | 55   | 100  |      |      |      |
| 220 V  | 100 V  | 150 | 40  | 27  | 17  | 17  | 17  | 17  | 40  | 65   |      |      |      |      |
| 220 V  | 200 V  | 150 | 40  | 26  | 40  | 40  | 16  | 40  | 35  | 65   |      |      |      |      |
| 1000 V | 200 V  | 150 | 50  | 30  | 20  | 20  | 20  | 20  | 50  | 65   |      |      |      |      |
| 1000 V | 600 V  | 150 | 50  | 30  | 26  | 26  | 26  | 26  | 45  | 65   |      |      |      |      |
| 1000 V | 1000 V | 150 | 50  | 26  | 20  | 20  | 26  | 26  | 45  | 65   |      |      |      |      |

INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| <i>NVLAP Code/<br/>Parameters</i>                                        | <i>Frequency</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Range</i>                              |
|--------------------------------------------------------------------------|------------------|-------------------------------------------------------------|-------------------------------------------|
| 20/E01<br>AC/DC Difference for High Frequency Thermal Voltage Converters |                  |                                                             |                                           |
|                                                                          | 50 kHz           | 0.01 %                                                      | .05 through 100 volt units                |
|                                                                          | 1 MHz            | 0.05 %                                                      | .05 through 100 volt units                |
|                                                                          | 2 MHz            | 0.05 %                                                      | 3 volt unit                               |
|                                                                          | 10 MHz           | 0.1 %                                                       | .05 through 100 volt units                |
|                                                                          | 20 MHz           | 0.15 %                                                      | 2, 3, and 20 volt units                   |
|                                                                          | 20 MHz           | 0.2 %                                                       | 0.5, 1, 5, 10, 30, 50, and 100 volt units |
|                                                                          | 30 MHz           | 0.2 %                                                       | .05 through 100 volt units                |
|                                                                          | 50 MHz           | 0.5 %                                                       | .05 through 100 volt units                |
|                                                                          | 100 MHz          | 1.0 %                                                       | .05 through 100 volt units                |

**NVLAP Code: 20/E09**

LF AC Voltage

*Best Uncertainty in ppm ( $\pm$ )<sup>note 1</sup>*

*Frequency in Hertz*

| <i>Range</i> | <i>10</i> | <i>20</i> | <i>40</i> | <i>100</i> | <i>1k</i> | <i>10k</i> | <i>10k</i> | <i>50k</i> | <i>100k</i> | <i>300k</i> | <i>500k</i> | <i>300k</i> | <i>1 M</i> |
|--------------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|
| 2 mV         | 1000      | 1000      | 500       | 500        | 800       | 800        | 800        | 800        | 1000        | 1300        | 1000        | 2000        | 2000       |
| 6 mV         | 500       | 500       | 500       | 500        | 500       | 500        | 300        | 300        | 300         | 500         | 500         | 500         | 500        |
| 10 mV        | 300       | 150       | 150       | 150        | 150       | 150        | 150        | 300        | 300         | 500         | 300         | 700         | 700        |
| 20 mV        | 250       | 200       | 150       | 130        | 130       | 130        | 130        | 300        | 300         | 500         | 700         | 1000        | 1000       |
| 60 mV        | 220       | 50        | 50        | 55         | 55        | 55         | 55         | 130        | 150         | 250         | 300         | 500         | 100        |
| 100 mV       | 150       | 75        | 50        | 42         | 42        | 30         | 30         | 66         | 130         | 200         | 300         | 300         | 700        |
| 200 mV       | 120       | 50        | 55        | 42         | 42        | 42         | 42         | 45         | 100         | 150         | 250         | 350         | 350        |
| 600 mV       | 170       | 50        | 30        | 25         | 25        | 25         | 25         | 40         | 62          | 110         | 110         | 150         | 180        |
| 1 V          | 160       | 50        | 30        | 15         | 18        | 15         | 18         | 38         | 50          | 110         | 130         | 180         | 180        |
| 2 V          | 160       | 50        | 30        | 13         | 13        | 13         | 13         | 38         | 50          | 150         | 130         | 180         | 180        |
| 6 V          | 160       | 50        | 30        | 13         | 13        | 13         | 13         | 38         | 50          | 110         | 130         | 180         | 180        |
| 10 V         | 160       | 50        | 30        | 18         | 18        | 18         | 18         | 38         | 50          | 150         | 150         | 180         | 180        |
| 20 V         | 160       | 50        | 30        | 18         | 18        | 18         | 18         | 38         | 50          | 110         | 130         | 180         | 180        |
| 60 V         | 160       | 50        | 30        | 22         | 22        | 22         | 22         | 45         | 60          | 110         |             |             |            |
| 100 V        | 160       | 50        | 35        | 22         | 22        | 22         | 22         | 45         | 60          |             |             |             |            |

## INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued

| Range  | 10  | 20 | 40 | 100 | 1k | 10k | 10k | 50k | 100k | 300k | 500k | 800k | 1 M |
|--------|-----|----|----|-----|----|-----|-----|-----|------|------|------|------|-----|
| 200 V  | 160 | 50 | 35 | 22  | 22 | 22  | 22  | 50  | 70   |      |      |      |     |
| 600 V  | 160 | 40 | 40 | 32  | 32 | 32  | 32  | 50  | 70   |      |      |      |     |
| 1000 V | 160 | 60 | 40 | 25  | 25 | 30  | 30  | 50  | 80   |      |      |      |     |

| NVLAP Code/<br>Parameters | Range                      | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks             |
|---------------------------|----------------------------|----------------------------------------------|---------------------|
| 20/E05<br>DC Current      |                            |                                              |                     |
|                           | to 19 $\mu$ A              | 12 ppm                                       | Calibrators or DMMs |
|                           | 100 $\mu$ A to 190 $\mu$ A | 5 ppm                                        | Calibrators or DMMs |
|                           | 1.0 mA to 1.9 mA           | 5 ppm                                        | Calibrators or DMMs |
|                           | 10 mA to 19 mA             | 12 ppm                                       | Calibrators or DMMs |
|                           | 100 mA to 190 mA           | 12 ppm                                       | Calibrators or DMMs |
|                           | 1.0 A to 1.9 A             | 15 ppm                                       | Calibrators or DMMs |
|                           | 10 A                       | 30 ppm                                       | Calibrators or DMMs |

NVLAP Code: 20/E02

AC Current

Best Uncertainty in ppm ( $\pm$ )<sup>note 1</sup> for Calibrators or DMMs

Frequency

| Current     | 10Hz | 20Hz | 40Hz | 400Hz | 1kHz | 5kHz | 10kHz |
|-------------|------|------|------|-------|------|------|-------|
| 19 $\mu$ A  | 250  | 200  | 200  | 200   | 200  | 200  | 200   |
| 100 $\mu$ A | 200  | 80   | 50   | 60    | 60   | 50   | 60    |
| 100 $\mu$ A | 200  | 80   | 50   | 50    | 50   | 50   | 60    |
| 1 mA        | 200  | 80   | 50   | 50    | 50   | 50   | 50    |
| 1.9 mA      | 150  | 80   | 40   | 50    | 50   | 50   | 40    |
| 10 mA       | 360  | 130  | 80   | 110   | 80   | 110  | 110   |
| 19 mA       | 360  | 120  | 75   | 110   | 80   | 115  | 110   |
| 190 mA      | 360  | 130  | 80   | 115   | 80   | 115  | 115   |
| 190 mA      | 360  | 120  | 80   | 115   | 70   | 115  | 115   |
| 1.0 A       |      |      | 140  | 160   | 160  | 160  | 200   |
| 1.9 A       |      |      | 140  | 160   | 160  | 160  | 200   |
| 10 A        |      |      | 110  | 160   | 100  | 160  | 200   |

NVLAP Code: 20/E01

AC/DC Difference for Low Frequency Thermal Current Converters and Shunts

Best Uncertainty ( $\pm$ )<sup>note 1</sup>

Frequency in Hertz

| Range  | 10    | 20   | 40    | 400   | 1k    | 5k    | 10k   | 20k   | 50k   | 100k  |
|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10 mA  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 20 mA  | 0.031 | 0.01 | 0.005 | 0.01  | 0.005 | 0.01  | 0.01  | 0.01  | 0.015 | 0.025 |
| 30 mA  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 50 mA  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 0.1 A  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 0.2 A  | 0.031 | 0.01 | 0.005 | 0.01  | 0.005 | 0.01  | 0.01  | 0.01  | 0.015 | 0.025 |
| 0.3 A  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 0.5 A  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 1.0 A  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 2.0 A  |       |      | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.015 | 0.025 |
| 3.0 A  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 5.0 A  |       |      |       | 0.01  |       |       |       | 0.01  | 0.015 | 0.025 |
| 10.0 A |       |      | 0.01  | 0.015 | 0.01  | 0.015 | 0.015 | 0.016 | 0.025 |       |
| 20.0 A |       |      |       | 0.015 |       |       |       | 0.015 | 0.025 |       |

| NVLAP Code/<br>Parameters | Range in ohms   | Best Uncertainty ( $\pm$ ) <sup>note 1</sup> | Remarks |
|---------------------------|-----------------|----------------------------------------------|---------|
| 20/E05<br>DC Resistance   |                 |                                              |         |
|                           | 0.001 to <0.01  | 1.5 ppm                                      |         |
|                           | 0.01 to <1      | 0.6 ppm                                      |         |
|                           | 1 to <11        | 0.4 ppm                                      |         |
|                           | 11 to <110      | 0.45 ppm                                     |         |
|                           | 110 to <190     | 0.55 ppm                                     |         |
|                           | 190 to <11 k    | 0.5 ppm                                      |         |
|                           | 11 k to <19 k   | 0.55 ppm                                     |         |
|                           | 19 k to <110 k  | 0.5 ppm                                      |         |
|                           | 110 k to <1.1 M | 1.4 ppm                                      |         |
|                           | 1.9 M           | 5 ppm                                        |         |

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range in ohms</i> | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i> |
|-----------------------------------|----------------------|-------------------------------------------------------------|----------------|
|                                   | 10 M                 | 6 ppm                                                       |                |
|                                   | 19 M                 | 7 ppm                                                       |                |
|                                   | 100 M                | 25 ppm                                                      |                |

- 
1. Represents an expanded uncertainty at a level of confidence of 99%; coverage factor  $k$  is determined by the test statistics.
  2. Approximate value. Actual value determined by the test statistics.

NVLAP LAB CODE 105017-0

## LOCKHEED MARTIN MISSILES &amp; SPACE

1111 Lockheed Way, P.O. Box 3504

Bldg. 195A, Org. 48-70

Sunnyvale, CA 94089-3504

Contact: Dr. Klaus B. Jaeger

Phone: 408-756-0270 Fax: 408-742-4435

Accreditation Valid Through: December 31, 1997

| <i>NVLAP Code/<br/>Parameters</i>         | <i>Range</i>           | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1</sup></i> | <i>Remarks</i>               |
|-------------------------------------------|------------------------|-------------------------------------------------------------|------------------------------|
| <b>ELECTROMAGNETIC - DC/LOW FREQUENCY</b> |                        |                                                             |                              |
| 20/E06<br>DC Voltage                      |                        |                                                             |                              |
| <b>AJJ</b>                                |                        |                                                             |                              |
|                                           | 10.0 volts             | 0.0097 ppm                                                  | Intrinsic Standard           |
| <b>ZENERS</b>                             |                        |                                                             |                              |
|                                           | 10.0 volts             | 0.014 ppm                                                   | Primary Transfer Set         |
|                                           | 1.0 volt               | 0.110 ppm                                                   | Primary Transfer Set         |
|                                           | 1.018 volts            | 0.102 ppm                                                   | Primary Transfer Set         |
|                                           | 10.0 volts             | 0.2 ppm <sup>note 3</sup>                                   | Commercial/Working Standards |
|                                           | 1.0 volt               | 0.2 ppm <sup>note 3</sup>                                   | Commercial/Working Standards |
|                                           | 1.018 volts            | 0.2 ppm <sup>note 3</sup>                                   | Commercial/Working Standards |
| <b>STANDARD REFERENCE (TRANSVOLT)</b>     |                        |                                                             |                              |
|                                           | 1.018 volts            | 0.9 ppm <sup>note 3</sup>                                   | Commercial/Working Standards |
| 20/E05<br>DC Resistance                   |                        |                                                             |                              |
|                                           | Quantum Hall<br>Effect | 0.014 ppm                                                   | Intrinsic Standard           |
|                                           | 6453.20175 ohms        | 0.090 ppm                                                   | Primary Transfer Set         |
|                                           | 1 ohm                  | 0.126 ppm                                                   | Primary Reference Transfer   |
|                                           | 10k ohms               | 0.176 ppm                                                   | Primary Reference Transfer   |
|                                           | 0.001 ohms             | 0.84 ppm                                                    | Primary Reference            |
|                                           | 0.01 ohms              | 0.84 ppm                                                    | Primary Reference            |

**INDEX E. LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE - continued**

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>) <sup>note 1</sup></i> | <i>Remarks</i>    |
|-----------------------------------|--------------|--------------------------------------------------------------|-------------------|
|                                   | 0.1 ohms     | 0.92 ppm                                                     | Primary Reference |
|                                   | 1.0 ohms     | 0.143 ppm                                                    | Primary Reference |
|                                   | 10.0 ohms    | 0.156 ppm                                                    | Primary Reference |
|                                   | 100.0 ohms   | 0.204 ppm                                                    | Primary Reference |
|                                   | 1k ohms      | 0.271 ppm                                                    | Primary Reference |
|                                   | 10k ohms     | 0.193 ppm                                                    | Primary Reference |
|                                   | 100k ohms    | 1.20 ppm                                                     | Primary Reference |
|                                   | 1M ohms      | 1.90 ppm                                                     | Primary Reference |
|                                   |              |                                                              |                   |

|              | <b>Secondary (ppm)</b> |                        | <b>Working Sets (ppm)</b> |                 |               |
|--------------|------------------------|------------------------|---------------------------|-----------------|---------------|
| <b>Value</b> | <b>Set I</b>           | <b>Set II</b>          | <b>AC/DC I</b>            | <b>AC/DC II</b> | <b>Bridge</b> |
| Cal Medium   | Oil                    | Oil                    | Oil                       | Oil             | Air           |
| Use Medium   | Air                    | Oil                    | Air                       | Air             | Air           |
|              |                        |                        |                           |                 |               |
| 0.0001 ohms  | -                      | -                      | -                         | -               | 50            |
| 0.001 ohms   | 2.41                   | -                      | 0.52                      | -               | 50            |
| 0.01 ohms    | 1.55                   | -                      | 1.99                      | -               | 50            |
| 0.1 ohms     | 1.61                   | -                      | 1.04                      | -               | 50            |
| 1.0 ohms     | 0.58                   | 0.33                   | 0.35                      | 0.20            | 50            |
| 10.0 ohms    | 0.40                   | 0.40                   | 0.54                      | 0.87            | 50            |
| 100.0 ohms   | 0.60                   | 0.32                   | 1.12                      | 1.49            | 50            |
| 1k ohms      | 0.68                   | 0.38                   | 4.11                      | 1.31            | 50            |
| 10k ohms     | 0.77                   | 0.68                   | 1.53                      | 1.89            | 50            |
| 10k ohms     | -                      | 0.42 <sup>note 2</sup> | -                         | -               | -             |
| 100k ohms    | 2.44                   | 1.33                   | 4.57                      | 1.17            | 50            |
| 1M ohms      | 4.00                   | -                      | 4.98                      | 7.93            | -             |

|                                |              |                    |                             |
|--------------------------------|--------------|--------------------|-----------------------------|
| <b>DIMENSIONAL</b>             |              |                    |                             |
| 20/D03<br>Gage Blocks          |              |                    |                             |
| He-Ne Laser                    |              |                    |                             |
|                                | 633 nm       | 0.0007 ppm         | Intrinsic Standard          |
| <b>NPL-TESA INTERFEROMETER</b> |              |                    |                             |
|                                | 0.01 - 12 in | (10.6+0.16(mm))nm  | Primary Transfer Set        |
| <b>GAGE BLOCK SETS</b>         |              |                    |                             |
|                                | 5.0 - 12 in  | 1.5 - 4 $\mu$ in   | Primary Reference Transfer  |
|                                | 0.01 - 12 in | 1 - 4 $\mu$ in     | Primary Reference           |
|                                | 0.3 - 100 mm | 25 - 38 nm         | Primary Reference           |
|                                | 0.01 - 12 in | 1.5 - 5.5 $\mu$ in | Commercial/Working Standard |
|                                | 16 - 20 in   | 8 $\mu$ in         | Commercial/Working Standard |
|                                | 0.3 - 100 mm | 38 - 50 nm         | Commercial                  |

1. Represents an expanded uncertainty using a coverage factor,  $k=1$
2. Cal medium = air, Use medium = air
3. Approximate value. Actual value determined by the test statistics.

NVLAP LAB CODE 105018-0

**CDRH X-RAY CALIBRATION LABORATORY**

12720 Twinbrook Parkway, HFZ-143

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E-mail: fxc@fdadr.cdrh.fda.gov

Accreditation Valid Through: December 31, 1997

This facility has demonstrated compliance with the NVLAP Criteria for Calibration Laboratories under the field of Ionizing Radiation for the following:

| <i>Procedures/Instruments</i>                   | <i>Radiation Types</i>                                                                                                                                                                                                           |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Calibration of Survey Instruments               | X-ray Beam Codes M30, M50, L80, L100, and M100 over the Exposure Rate Range 2 mR/s to 100 mR/s, and the H50 Beam Code over the range 0.5 mR/h to 4 mR/s, with total uncertainty in the reference field value of $\pm 5$ percent. |
| Calibration of Instruments for Diagnostic Level | X-ray Beam Codes M20, M30, M50, L80, L100, and M100 over the Exposure Rate Range 2 mR/s to 100 mR/s, with total uncertainty in the reference field value of $\pm 3$ percent.                                                     |
| Calibration of Reference-Class Instruments      | X-ray Beam Codes M20, M30, M50, L80, L100, and M100 over the Exposure Rate Range 2 mR/s to 100 mR/s, with total uncertainty in the reference field value of $\pm 3$ percent.                                                     |

NVLAP LAB CODE 105020-0

**PACIFIC NORTHWEST LABORATORY**

Battelle Boulevard  
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Accreditation Valid Through: December 31, 1997

This facility has demonstrated compliance with the NVLAP Criteria for Calibration Laboratories under the field of Ionizing Radiation for the following:

| <i>Calibration Categories</i>            | <i>Radiation Type or Beam Code</i> | <i>Energy (keV)</i>  | <i>Intensity Range</i>              | <i>Accuracy Goal</i> |
|------------------------------------------|------------------------------------|----------------------|-------------------------------------|----------------------|
| <b>CALIBRATION OF SURVEY INSTRUMENTS</b> |                                    |                      |                                     |                      |
| B.1 (Gamma)                              | Am-241                             | 60                   | 130 mR/h <sup>note 1</sup>          | 4% (> 10mR/h)        |
|                                          | Cs-137                             | 660                  | 1-3x10 <sup>5</sup> mrem/h          | 4% (> 10mR/h)        |
|                                          | Co-60                              | 1250                 | 0.4-3000 rem/h                      | 4% (> 10mR/h)        |
|                                          |                                    |                      |                                     |                      |
| B.2 (X-ray)                              | M30                                | 29                   | 3.2-326 R/h                         | 4% (> 10 mR/h)       |
|                                          | M50                                | 29                   | 3.4-350 R/h                         | 4% (> 10 mR/h)       |
|                                          | S60                                | 36                   | 0.6-119 R/h                         | 4% (> 10 mR/h)       |
|                                          | S75                                | 39                   | 4.6-472 R/h                         | 4% (> 10 mR/h)       |
|                                          | M150                               | 51                   | 1.5-305 R/h                         | 4% (> 10 mR/h)       |
|                                          | M150                               | 70                   | 3.8-391 R/h                         | 4% (> 10 mR/h)       |
|                                          | H150                               | 120                  | 0.12-16.5 R/h                       | 4% (> 10 mR/h)       |
|                                          |                                    |                      |                                     |                      |
| B.3 (Beta)                               | Pm-147                             | 60 E <sub>av</sub>   | 3 mrad/h <sup>note 1</sup>          | 8%                   |
|                                          | Tl-204                             | 260 E <sub>av</sub>  | 22, 2800 mrad/h <sup>note 1</sup>   | 8%                   |
|                                          | Sr/Y-90                            | 800 E <sub>av</sub>  | 560, 22000 mrad/h <sup>note 1</sup> | 8%                   |
|                                          |                                    |                      |                                     |                      |
| B.4 (Neutron)                            | Cf-252 Bare                        | 2000 E <sub>av</sub> | 0.040-24 rem/h                      | 8%                   |
|                                          | Cf-252 Mod                         | 500 E <sub>av</sub>  | 0.010-6 rem/h                       | 8%                   |
|                                          |                                    |                      |                                     |                      |

| <i>Calibration Categories</i>              | <i>Radiation Type or Beam Code</i> | <i>Energy (keV)</i>  | <i>Intensity Range</i>             | <i>Accuracy Goal</i> |
|--------------------------------------------|------------------------------------|----------------------|------------------------------------|----------------------|
| <b>IRRADIATION OF PERSONNEL DOSIMETERS</b> |                                    |                      |                                    |                      |
| C.1 (Gamma)                                | Am-241                             | 60                   | 130 mR/h <sup>note 1</sup>         | 3% (> 10 mR/h)       |
|                                            | Cs-137                             | 660                  | 1-3x10 <sup>5</sup> mrem/h         | 3% (> 10 mR/h)       |
|                                            | Co-60                              | 1250                 | 0.4-3000 rem/h                     | 3% (> 10 mR/h)       |
| C.2 (X-ray)                                | M30                                | 20                   | 3.2-326 R/h                        | 3% (> 10 mR/h)       |
|                                            | M50                                | 20                   | 3.4-350 R/h                        | 3% (> 10 mR/h)       |
|                                            | S60                                | 36                   | 0.6-119 R/h                        | 3% (> 10 mR/h)       |
|                                            | S75                                | 36                   | 4.6-472 R/h                        | 3% (> 10 mR/h)       |
|                                            | M100                               | 51                   | 1.5-305 R/h                        | 3% (> 10 mR/h)       |
|                                            | M100                               | 70                   | 3.8-391 R/h                        | 3% (> 10 mR/h)       |
|                                            | H150                               | 120                  | 0.12-16.5 R/h                      | 3% (> 10 mR/h)       |
| C.3 (Neutron)                              | Cf-252 Bare                        | 2000 E <sub>av</sub> | 0.040-24 rem/h                     | 5%                   |
|                                            | Cf-252 Mod                         | 500 E <sub>av</sub>  | 0.010-6 rem/h                      | 5%                   |
| C.4 (Beta)                                 | Tl-204                             | 260 E <sub>av</sub>  | 22, 2800 mrad/h <sup>note 1</sup>  | 5%                   |
|                                            | Sr/Y-90                            | 800 E <sub>av</sub>  | 560, 2200 mrad/h <sup>note 1</sup> | 5%                   |

1. Calibrated and used at a fixed distance.

NVLAP LAB CODE 105023-0

## INSTRON FORCE CALIBRATION LABORATORY

100 Royall Street

Canton, MA 02021

Contact: Dr. Anatoly Perlov

Phone: 617-575-5479 Fax: 617-575-5767

Accreditation Valid Through: September 30, 1997

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i>            | <i>Best Uncertainty (<math>\pm</math>)</i> <sup>notes 1,2,3</sup> | <i>Remarks</i>     |
|-----------------------------------|-------------------------|-------------------------------------------------------------------|--------------------|
| <b>MECHANICAL</b><br>20/M06       |                         |                                                                   |                    |
| Force                             | Applied Force in Pounds |                                                                   |                    |
|                                   | 0.1 to 130000           | 0.005 %                                                           | Primary Standard   |
|                                   | 130000 to 240000        | 0.005 %                                                           | Secondary Standard |

1. Represents an expanded uncertainty using a coverage factor,  $k=2$
2. Uncertainty of the voltage ratio for electrical instruments is  $<0.1$  microvolt per volt
3. Uncertainty of the measured value is determined by the statistics of the test and the artifact tested but are typically better than  $\pm 0.05\%$  for class AA instruments,  $\pm 0.25\%$  for class A instruments and  $\pm 0.1\%$  for class A1 instruments.

NVLAP LAB CODE: 200038-0

## WEBBER GAGE DIVISION / L.S. STARRETT CO.

24500 Detroit Road

Cleveland, OH 44145

Contact: Mr. David Friedel

Phone: 216-835-0001 Fax: 216-892-9555

Accreditation Valid Through: December 31, 1997

| <i>NVLAP Code/<br/>Parameters</i> | <i>Range</i>    | <i>Best Uncertainty (<math>\pm</math>)<sup>note 1,2</sup></i> | <i>Remarks</i>           |
|-----------------------------------|-----------------|---------------------------------------------------------------|--------------------------|
| <b>DIMENSIONAL</b><br>20/D03      |                 |                                                               |                          |
| Gage Blocks                       | thru 1.0 in     | 1.4 $\mu$ in                                                  | Master Grade Calibration |
|                                   | 1.0 thru 4.0 in | 2.1 $\mu$ in                                                  | Master Grade Calibration |

- 
1. Represents an expanded uncertainty using a coverage factor,  $k=2$ .
  2. Approximate value. Actual value determined by the test statistics.

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