




NVL Laboratories Inc.

Industrial Hygiene - Health & Safety Services

NVL Laboratories, Inc. provides full service Industrial hygiene services including testing and environmental safety services for our clients included but not limited to asbestos, lead, mold, Indoor Air Quality, Silica and other hazardous materials. We provide a complete solution and innovation to all your environmental and health & safety needs, in order to minimize your risks and overhead costs. Having NVL Laboratories as Your Project Partner ensures success for our clients. We take pride in offering a broad range of experience and support to a diverse range of public and private clients. Our services are designed to meet the needs and standards of a diverse range of businesses, including environmental engineering firms, architects, general contractors, industrial hygienists, facility/property managers, re-modelers, government agencies, home-owners and others who become involved with hazardous building materials found in commercial or residential buildings.

The major sectors of our services are following:

- ▶  **Laboratory/ Analytical**
- ▶  **Project Management**
- ▶  **Training**

NVL Labs' seasoned team of experts is capable of providing complete solutions and regulatory compliant hazardous materials services ranging from project design, surveys/inspections, analytical, remediation plan, Project oversight, O & M plans and final project closeout. Our core value is strong teamwork, empowerment, quality and consistency.

Laboratory/Analytical

NVL Labs has been operating nationally and internationally for over 15 years and is the premier testing laboratory in the Puget Sound region. We are an AIHA-IHLAP, AIHA-ELLAP, AIHA-EMLAP, NVLAP, WADOE for drinking water and WADOE for RCRA Metals accredited laboratory and an EPA certified Lead (Pb) Firm. Our system is designed for handling all your large and small project.

We provide the highest quality analytical results, specializing in asbestos fiber identification and a range of metals analysis using NIOSH, OSHA and EPA methods. NVL provides quick turn around times (as fast as 1 hour), after hours analysis, concise and easily accessible reports through our Lab Online service, and easy-to-use chain of custodies and sample receiving processes.

- ASBESTOS in air and/or bulk samples
- LEAD (Pb) in air and/or bulk samples (paint chips, dust wipes, soil, waste water, drinking water)
- MOLD in air (Fungal and Particulate Identification), and Bulk (qualitative and quantitative)
- TCLP (Toxicity Characteristic Leachate Procedure) for Lead and other RCRA metals
- RCRA METALS (Cadmium, Chromium, Arsenic, Barium, Silver, Mercury, Selenium, Nickel, Copper, Zinc, Lead)
- HEXAVALENT CHROMIUM:
- XRD ANALYSIS for Silica (Air & Bulk) and Asbestos Qualitative/Quantitative

Project Management

NVL Labs offers a unique approach to project management by providing you with the solutions that best fits your needs. Our approaches towards your projects are as follows:

- Develop an appropriate sampling plan to be implemented by your own health & safety personnel.
- Provide good faith inspections for hazardous building materials for your upcoming projects as required by Washington State Labor & Industries and to be used by your own health and safety personnel.
- In case you do not have your health and safety team in place, we take your projects from start to finish, including providing good faith inspections for hazardous building materials, developing abatement plan, provide project oversight and project close out documentation.
- For complex and multi discipline projects we also provide project management that includes retaining most appropriate technical resources and expertise along with the contractor to produce the desired results.
- For Child occupied facilities we provide Lead (Pb) inspections using XRF machine as well as Lead Risk Assessments and clearance inspections as required by HUD and Section 8 programs.

Training

NVL Labs is one of the few organizations that provide training to its clients for the following laboratory analyses:

- Lead Renovation, Repair & Painting (RRP) Training
- NIOSH 582 (PCM) meeting the requirements of AIHA Registry Programs, LLC.

Facility owners/managers often get engaged in maintenance, renovation and/or repair work during which they come across hazardous building materials. OSHA and Washington State Labor & Industries require that they should go through Hazardous Awareness Training, in order to deal with such situations. NVL Labs offers classes for Health & Safety training that satisfy those requirements. We provide the following training classes for any number of students to meet our clients' needs. We offer both open enrollment and custom classes for our clients.

- Hazard Awareness Training
- Lead (Pb) Safe Work Space Training
- Asbestos Awareness Training
- Polarized Light Microscopy (PLM)
- Mold Awareness In Construction
- Construction Health & Safety Training and more!

Professional Accreditations



- National Institute of Standards and Technology (NIST) under the National Volunteer Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis
NVLAP Lab Code: 102063-0
- American Industrial Hygiene Association (AIHA) under the IHLAP
Laboratory #: 101861
- AIHA Environmental Lead Laboratory Accreditation Program (ELLAP).
Laboratory #: 101861
- AIHA Environmental Microbiology Laboratory Accreditation Program (EMPLAP).
Laboratory #: 101861
- Department of Ecology's (DOE) (ELAP) for metals analysis
Lab Accreditation #: C297
- Environmental Protection Agency (EPA) as a certified Lead (Pb) Firm
Cert. #: WA-02-052003-2134
- WADOE for Drinking Water.
- WADOE for RCRA Metals.
- Environmental Laboratory Certification program for the State of California
Cert. #: 2495
- Registered with the State of Hawaii Department of Health
L-01-006
- Participates in the American Industrial Hygiene Association (AIHA) Asbestos Analysts Registry (AAR) program for airborne asbestos fiber analysis.
- Soil Permit issued by the United States Department of Agriculture. This permit authorizes shipments from all foreign sources, including Guam, Hawaii, Puerto Rico, and the U.S. Virgin Islands through any U.S. port of entry.
Permit #: S-54275



Minority & Disadvantaged Business Enterprise

NVL Labs is more than just a minority owned business; NVL is a diverse company with skilled minority workers making up more than 60% of our company's employees. In a firm that is both minority owned and within which minorities comprise the majority of the staff, we at NVL feel that our multiculturalism is one of our strengths. NVL maintains an atmosphere that is inclusive and accepting of cultural differences, which, we feel, enhances both our internal cooperative environment, as well as our perspective toward providing customer service. At NVL, we understand that creating a professional environment dedicated to the achievement of excellence includes understanding the diversity of our staff, clientele and community.

Laboratory | Management | Training

Key Personnel



Munaf Khan President/Lab Director

PROFESSIONAL EXPERIENCE

Mr. Khan has had experience consulting on issues involving hazardous building materials, including asbestos, lead, PCBs and petro- chemicals. Mr. Khan is a Certified AHERA Building Inspector and has conducted surveys of buildings for the presence of asbestos-containing materials. Additionally, Mr. Khan has earned an excellent reputation in the field of asbestos management and investigation. With his unique combination of analytical skill and regulatory knowledge, Mr. Khan has often been asked to perform investigation relating to asbestos contamination, and provide expert witnessing services. Mr. Khan has also had experience providing consultation and project management for asbestos/lead (Pb) building surveys and abatement projects including commercial, military, multi-residential and educational facilities.

ASBESTOS PROJECT EXPERIENCE

Mr. Khan has demonstrated expertise designing and managing numerous Asbestos Abatement projects including:

- EPA Laboratory, Manchester, WA.
- Norton Building, Downtown Seattle
- Intrawest - Old J.C. Penny Building - Seattle, WA - air monitoring/analysis
- Great American Bank, Olympia and Tumwater
- Ollala Landfill, Kitsap County
- Aurora Village Shopping Mall, asbestos survey
- Fort Lewis, Phase 7
- Naval Air Station, Whidbey Island
- Bank of California Building, Downtown Seattle
- Plaza 600, Downtown Seattle
- The Tower Building, Downtown Seattle
- Air Traffic Control Tower, Renton Airport
- Washington Mutual
- Vance Hotel
- Naval Radio Station Jim Creek
- University of Washington asbestos building survey
- Central Washington University Laboratory services
- Conducted on-site air monitoring of asbestos removal operations for Georgia-Pacific mill in Bellingham, WA

EDUCATION

B. S. Applied Mathematics, University of Peshawar, Pakistan 1984

A.A.S. Hazardous Material Management, So. Seattle Community College, 1994

South Seattle Community College, General Studies, 1986

CERTIFICATIONS

Certification, EPA - Lead Base Paint Building Inspection/ Risk Assessor (cert# WA-R-1157-1)

Certification, Hazardous Materials Regulations, OSHA Act and WISH Act Standards

Certification, Advance Bulk Asbestos Identification, McCrone Research Institute

Certification, Bulk Asbestos Identification

Certification, State of Washington Asbestos Abatement Worker

Certification, 80-hour Hazardous Waste Health & Safety Class

EPA-Certified AHERA Building Inspector (cert# 1007639)

Certification, NIOSH #582, Asbestos Analysis

AIHA ASBESTOS ANALYST REGISTRY

WORK HISTORY

President/Laboratory Director,, NVL Laboratories, Inc., 1995 -present

Laboratory Director,, Prezant Associates, Inc., 1988 -1995

Building Inspector/Microscopist, P.S.I. /Pittsburgh Testing Laboratories, Seattle 1987-88

Research Analyst, National Health Institute, Pakistan 1983-1985

Key Personnel



NICK LY Vice President/Technical Director

PROFESSIONAL EXPERIENCE

Mr. Ly brings over 20 years experience in the fields of analytical chemistry and industrial hygiene/environmental toxicology, including extensive research in PCB, arsenic and heavy metal exposure at the University of Washington, Environmental Health Department. Mr. Ly has a broad background in performing industrial hygiene related analysis for human health concerns including indoor air, acute exposure and worker exposure issues relating to abatement and construction contractors.

As a chemist Mr. Ly has been directing research experiments and managing laboratory personnel since 1995. As Technical Director of NVL Laboratories, Mr. Ly is responsible for designing, implementing and auditing protocols for laboratory analysis. He oversees laboratory personnel to ensure that QA/QC laboratory procedures are executed properly and that data is interpreted and documented in accordance with predetermined QC standards. Mr. Ly is also responsible for maintaining all laboratory accreditations including AIHA, ELLAP, NVLAP and WADOE certifications and ensuring compliance with all ISO/IEC 17025 requirements.

TECHNICAL ACCOMPLISHMENTS

- Design and coordinate both internal and external (Round Robin) asbestos QA/QC programs
- Oversee all laboratory accreditation programs in PCM, PLM, Metals and Mold departments
- Manage daily operation of laboratory to ensure samples are processed in a timely manner
- Perform method development for analysis of bulk and airborne asbestos samples using Polarized Light and Phase Contrast Microscopes
- Maintain, troubleshoot and operate all laboratory instruments
- Review and validate all analytical data, reports and chain-of-custody instructions prior to issuing signed finals to clients
- Respond and address all technical issues and inquiries from analysts and clients
- Developed analytical methods for testing polymeric materials in the manufacture of intraocular lenses for optics manufacturing laboratory

EDUCATION

B.S. Chemistry, University of Washington, June 1986

CERTIFICATIONS

Certification, Introduction to Industrial Hygiene, University of Washington
Certification, Advance Bulk Asbestos Identification, McCrone Research Institute
Certification, Small Particle Identification
Certification, Bulk Asbestos Identification
Certification, Identification of Fungal Spores and Pollens
EPA-Certified AHERA Building Inspector
Certification, NIOSH #582, Asbestos Analysis
AIHA Asbestos Analyst Registry ID 7412

WORK HISTORY

Technical Director/Hazardous Materials Consultant NVL Labs, July 1995 – present
Asbestos Analyst/Hazardous Materials Consultant NVL Microlab, January 1992 - July 1995
Research Technologist – University of Washington, Seattle, WA. November 1989 - December 1992
Associate Chemist – ALCON SURGICAL, INC., Bellevue, WA. April 1987 - December 1989
Research Technologist – Department of Environmental Health, University of Washington, Seattle, WA. 1986 - 1987
Research Assistant – Department of Environmental Health, University of Washington, Seattle, WA. 1979 - 1986
Research Assistant – Department of Chemical Engineering, University of Washington, Seattle, WA. Summer 1983
Research Assistant – Department of Zoology, University of Washington, Seattle, WA. Summer 1982
Developed in-house QA/QC and analytical methods for environmental contaminants.
Developed QA/QC policy for NVLAP certification of asbestos bulk laboratory.
Developed QA/QC policy for AIHA, ELLAP and WADOE certification of airborne asbestos and metals laboratory.

Key Personnel



SYED HASAN

Manager Field Services Div. (Asbestos/Lead (Pb)/XRF Svc.)

PROFESSIONAL EXPERIENCE

Mr. Hasan has more than eight years of experience in hazardous materials management and industrial hygiene. He is an expert consultant on issues involving hazardous building materials including asbestos, lead, PCBs and petrochemicals.

As a certified AHERA Building Inspector, he performs site inspections at all kinds of commercial and residential construction projects, from superfund sites to single family residences. He manages environmental health and safety projects in new construction, additions, remodeling and renovations. He also provides industrial hygiene services such as indoor air quality evaluation (particulate analysis) and drafts health and safety plans for monitoring worker exposure during renovation and demolition projects.

Mr. Hasan's unique combination of analytical skill and regulatory knowledge has earned him an excellent reputation in the field of asbestos/lead management and investigation. He provides expert consultation and project management for asbestos/lead (Pb) building surveys and abatement projects at commercial, military, multi-residential and educational facilities. He is often asked to perform investigation relating to asbestos contamination and act. At NVL laboratories Hasan is responsible for Training, Project Management, Lead building inspections/risk assessments, XRF testing for HUD/Section 8 housing and asbestos abatement oversights.

His broad knowledge of hazardous materials management has included over 3 years of managing abatement projects. Mr. Hasan is an experienced microscopic proficient in PCM and PLM analysis. He also has extensive experience initiating and maintaining QA/QC programs. Mr. Hasan is also a trainer for NIOSH 582 Equivalent Course, for microscopy and airborne fiber analysis through NIOSH Method 7400.

FIELD SERVICES EXPERIENCE

Mr. Hasan manages projects including:

- Airborne asbestos concentration analysis using phase contrast microscopy and airborne monitoring during asbestos projects.
- Building inspection/risk assessment for lead based paint and hazardous dust levels using NITON XRF Analyzer. Clients include homeowners, potential buyers, facilities owners and managers, public housing agencies, developers, apartment building owners, lenders, schools, and daycare centers.
- Design, specifications and management for construction and mediation projects.
- Risk assessment and recommendations, including analyzing test data analysis, recommendations to control lead exposure, and appropriate remediation or exposure control strategies.
- Principal Instructor for 32 hour NIOSH 582 Course.
- Field sampling for electromagnetic fields, asbestos, lead, formaldehyde and mercury.

EDUCATION

B.S. Mechanical Engineering, University of Engineering and Technology, Lahore

CERTIFICATIONS

Project Design Certification, NIOSH
AHERA Building Inspector
Washington Accredited Lead Risk Assessor
EPA Accredited Lead Risk Assessor
OSHA 510 Trained in Construction Safety and Health
NITON Approved Radiation Safety / Operation XRF Analyzer

WORK HISTORY

2000-Present
Industrial Hygienist/Manager Field Services, NVL Laboratories Inc., Seattle
1993-1999
Sales Engineer, Allied Engineering/Caterpillar, Islamabad, Pakistan
1991-1993
Project Engineer, Al-Falah Trading Co., Islamabad, Pakistan

Reference Projects

Project, Location	Team Members Involved DBE Participation	Reference	Services Provided	Project Cost, Fees Billed, Completion Date
Tacoma Housing Authority, Tacoma, WA	NVL Laboratories, Inc. Munaf Khan Syed Hasan	Ron Ward (253) 882-0542	Provided consultation for managing hazardous building materials and asbestos inspections for almost 500 units in Public Housing Development.	\$250,000.00 2007-2008
Port of Seattle (POS). Renovation and Demolition project at SeaTac Airport 17900 International Blvd., Suite 304 SeaTac, WA 98188	NVL Laboratories, Inc. Munaf Khan, Nick Ly	Thom Erwin, Port Construction Services, 18000 International Blvd. Suite 1100 SeaTac, WA 98188 206-433-5390	Lab Services involving analysis of metal based paint for Lead(Pb), Cadmium (Cd), Chromium (Cr) for worker protection, TCLP analysis, Asbestos Air and Bulk Samples on quick Turn Around Time	\$305,336 On Going
King County Facilities, 500 Fourth Ave Room 320 Seattle, WA 98104	NVL Laboratories, Inc. Syed Hasan, Munaf Khan	Van Pham, King County Facilities 206-296-0186	Provides full range of Lab Services including PLM, PCM, Lead (Pb)-bulk, air, Wipes, Waste Water, TCLP and Multi Metals (Cd, Cr, As, Hg), worker exposure & After Hrs. analyses.	\$79,279 On Going
King County Court House Seismic Upgrade 516 3rd. Ave Seattle, WA 98104	NVL Laboratories, Inc. Syed Hasan, Munaf Khan, Antonio Herrera	Greg Cuhn, King County- Office of HR Management	Abatement Project oversight- Services for concerns involving workplace and environmental contaminants including Asbestos, Lead (Pb), Silica, Mold, Bioaerosols, Chemical contaminants, Metals, Onsite PCM analysis and more.	\$313, 177 Completed in 2004

Quality Assurance



Quality analytical data is defined by the following criteria:

1. Accurate reflective of the material being analyzed.
2. Consistent data precision within a normative percentage variation.
3. Test results that are reproducible.

NVL's rigorous Quality Assurance program ensures that the analytical data we provide is scientifically sound and of the highest quality. Data accuracy is maximized through administrative, statistical, and investigative techniques, as well as through preventative and corrective action.

Our Technical and Laboratories Directors have designed very specific QA/QC objectives to ensure precision and reproducibility of data. These objectives include:

- Requiring that individual analysts meet established performance standards.
- Maintaining strict sample and sample data tracking procedures through the processes of sample preparation, sample analysis, report generation, data communication, and sample data storage.
- Participating in inter-laboratory testing programs designed to maintain consistent data integrity.
- All laboratory personnel are familiar with the QA/QC policies and procedures.
- Individual laboratory analysts receive performance audits (once a month) to ensure that their duties are performed within the guidelines of the NVL QA/QC plan.
- Laboratory facilities and equipment, which impact data quality, are routinely inspected and maintained.
- Data generated by NVL Laboratories, Inc. meets all applicable local, state and federal guidelines.
- Data generation, processing and documentation procedures are reviewed and revised as necessary.

Additionally, a \$2,000,000.00 Professional Liability and \$2,000,000.00 General Liability policy cover all services performed by NVL Laboratories, Inc. NVL Laboratories, Inc. is a certified Minority Business Enterprise (MBE) under the State programs of: Alaska (#9710001), Oregon (#1766), Washington (#D4M5014199) and a Disadvantaged Business Enterprise (DBE) under the Federal program (#D4M5014199). Our Federal Tax ID Number is 91-1689150.

Please let me if you have any questions concerning our qualifications for the above listed information.

Sincerely,

A handwritten signature in black ink that reads 'Shaista Khan'.

Shaista Khan
General Manager, NVL Labs
Shaista.k@nvlabs.com

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