

HEALTHCARE

EXPERIENCE | SERVICES | ADVANTAGES













Your single source.

Structural & Interior Demolition Hazardous Material Abatement Smart Demolition & Asset Recovery Equipment Dismantlement Mold Remediation Infection Control
Emergency Response
Fireproofing
Decontamination & Decommissioning

TABLE OF CONTENTS

HEALTHCARE EXPERIENCE

/	⊔iah	Jand	$\Box \land c$	nital
4	ווצוח	land	TU:	wilai

- 6 Kaiser Sunset Vacated Hospital
- 7 Mass General Hospital
- 8 Yale New Haven Hospital
- 9 VA Connecticut Healthcare System
- 10 Richard L. Roudebush VA Medical Center
- 11 Martinsburg VA Medical Center

WHO WE ARE

- 14 LVI at a Glance
- 15 Our History

OUR SERVICES

- 18 Demolition
- 19 Hazardous Material Abatement
- 20 Infection Control
- 21 Mold Remediation
- 22 Millwright & Rigging
- 23 Fireproofing
- 24 Design-Build
- 25 Decontamination & Decommissioning
- 26 Smart Demolition & Asset Recovery
- 27 Emergency Response

WHY LVI?

- 19 Safety
- 30 People
- 31 Heavy Equipment
- 32 Proprietary Technology
- 33 Bonding & Insurance
 - **Professional Associations**
- 34 Waste Management for LEED
- 35 Awards & Press
- 36 Industries & Clients
- 37 Office Locations



HEALTHCARE EXPERIENCE

PROTECTING PATIENTS DURING RENOVATION AND CONSTRUCTION.

Healthcare facilities across the country are undergoing expansions and modernizations to accommodate new technologies and rising demand from an aging population. In LVI's abatement and demolition work our primary focus is on patient protection.

We work with facility administrators and general contractors to implement an infection control program, engineering controls, and physical barriers to prevent airborne contaminants, noise, and vibrations from disturbing patient areas during demolition and construction activities.

Our staff remains well-educated on guidelines issued by leading healthcare construction regulators. Additionally, our director of restoration is a chemist, toxicologist and industrial hygienist certified by the American Society of Healthcare Engineering.

LVI met all of their subcontract commitments, and impressed me with their detailed pre-planning and coordination with the hospital's operations and PCL's other subcontractors' work.

Kevin Smart Project Manager PCL Construction Services, Inc.

KEY PROJECTS

- » Baptist Memorial Hospital, Memphis, TN
- » Bellevue Hospital, New York, NY
- » Boulder City Hospital, Boulder City, NV
- » Bridgeport Hospital, Bridgeport, CT
- » Brigham & Women's Hospital, Boston, MA
- » Canyon Ridge Hospital, Chino, CA
- » Cape Cod Hospital, Hyannis, MA
- » Cedars Sinai Medical Center, Hollywood, CA
- » City of Hope, Duarte, CA
- » Somerville Hospital, Boston, MA
- » Children's Hospital, Boston & Los Angeles
- » E.K. Long Hospital, Baton Rouge, LA
- » Fort Bragg Hospital Clinic, Ft. Bragg, NC
- » Hermann Hospital, Houston, TX
- » Ireland Army Comm. Hospital, Ft. Knox, KY
- » John Muir Hospital, Concord, CA
- » Keesler Medical Center, Keesler AFB, MS
- » Lawrence Memorial Hospital, Medford, MA
- » Longmont Hospital, Longmont, CO
- » Los Robles Hospital, Thousand Oaks, CA
- » Packard Children's Hospital, Palo Alto, CA
- » Mammoth Lakes Hospital, CA
- » Massena Memorial Hospital, Massena, NY
- » Memorial Hospital Jacksonville, FL
- » Milton Hospital, Milton, MA
- » Mt. Auburn Hospital, Cambridge, MA

- » Northern Westchester Hospital, Mt. Kisco, NY
- » NY Hospital Queens, Queens, NY
- » NY Presbyterian Hospital, Manhattan, NY
- » Presbyterian Hospital, Oklahoma City, OK
- » Quincy Medical Center, Quincy, MA
- » Riverside Community Hospital, Riverside, CA
- » Robert Wood Johnson University Hospital, New Brunswick, NJ
- » Saint Vincent's Hospital, Manhattan, NY
- » Salinas Valley Memorial Hospital, Salinas, CA
- » San Antonio Community Hospital, TX
- » Scripps Green Hospital, San Diego, CA
- » Spaulding Rehabilitation Hospital, Boston, MA
- » St. Jude Hospital, Fullerton, CA
- » St. Peter's Hospital, Albany, NY
- » St. Rose Dominican Hospital, Henderson, NV
- » Stamford Health Services, Stamford, CT
- » Summit Behavioral Care, Cincinnati, OH
- » Sunnyview Hospital, Schenectady, NY » The Methodist Hospital, Houston, Texas
- » UC San Diego Medical Center, San Diego, CA
- » OU Medical Center, Oklahoma City, OK
- » UPMC Presbyterian, Pittsburgh, PA
- » VA Medical Center, San Juan, PR
- » Wesley Medical Center, Wichita, KS
- » William Beaumont Hospital, Troy, MI



FEATURED HEALTHCARE PROJECTS



















HIGHLAND HOSPITAL ACUTE CARE TOWER REPLACEMENT | OAKLAND, CA







92,500 SF, 5-Story Concrete Auditorium & Clinic



November 2010 to August 2011



\$\$\\$1,300,000



Vanir Construction Management Clark Design-Build of California



Mechanical Demolition Torch Cutting Demolition Managed Falls



Debris Recycling



Zero OSHA Recordables

As part of the Highland Hospital Acute Care Tower Replacement project awarded to Clark Construction, LVI served as a subcontractor to successfully demolish two concrete buildings totaling 92,500 square feet adjacent an occupied hospital and densely residential area.

Close proximity to occupied spaces required a combination of mechanical demolition, manual torch cutting demolition, and managed falls to complete the work. The first building to be demolished was the V Building (clinic) - a five-story, 75,000 SF reinforced concrete structure - once all soft gut, roof removal, shoring, and building separation activities were completed. It was wrecked utilizing a high reach excavator equipped with a 13,000 lb shear/processor with a reach of 85 feet. The high reach excavator was assisted by a second excavator equipped with a processing shear or a thumb and bucket attachment, along with a track loader and bobcat.

An exclusion zone was established inside of the shearing area for the high reach operations to ensure safety. The above grade structure of a glass walkway was demolished to the structural slab, which was left in place to assure the integrity of the former structure remained intact.

Wrecking of the smaller, 17,500 SF VA Building (auditorium) continued until only the





EARNED MAXIMUM OF 3 LEED POINTS FOR WASTE DIVERSION







slab and foundation remained. The slab and foundations of the clinic and auditorium were completed concurrently. Finally, LVI removed the surrounding asphalt parking area along with selected hardscapes, and vaults followed by clearing and grading.

DEBRIS RE-USE AND RECYCLING

The remaining concrete rubble was sized and utilized as needed to create an access road through the site to assist in load-out and disposal activities. All waste streams were separated onsite then hauled off-site to an approved recycling center for final disposition. LVI earned the maximum of 3 LEED credits for waste diversion.

DUST AND VIBRATION CONTROL

Of primary concern to the owner was dust control due to the location of the occupied hospital, clinics, and residential area. Great care was taken to implement vibration monitoring and dust control along with the extreme safety measures executed throughout the duration of the project.

Project Managed By LVI Environmental Services Inc., a Hayward, California-based subsidiary of LVI Services Inc. | **Client Contact** David Turner, Vanir Construction Management, (510) 677-0905



KAISER SUNSET VACATED HOSPITAL | LOS ANGELES, CA











Three 8-Story Vacated Hospital Wings (449,600 SF)



Nov. 2010 - Dec. 2011



\$7,511,981



PCL Construction Services, Inc. Kaiser Permanente



Structural Demolition



Hazardous Material Abatement



Specialty-Trained Operators



Zero OSHA Recordable Incidents

As part of a modernization and expansion plan, Kaiser Permanente developed plans for a new 113,000 square foot state-of-the-art, four-story hospital and greenspace plaza on Sunset Boulevard in Los Angeles.

To create space for new construction in this congested downtown environment, LVI led the demolition of Kaiser's original 450,000 square foot Sunset hospital, built in 1953, following nearly 83,000 square feet of asbestos abatement and removal. In total, three 8-story hospital wings were safely abated and demolished. Building E consisted of 7,540 SF of asbestos removal and 83,000 SF of building demolition. Building H consisted of 72,660 asbestos abatement and 352,000 SF of demolition. Building J consisted of 2,700 SF of asbestos abatement and 14,600 SF of demolition.

LVI employed a high-pressure water system to remove the exterior asbestos containing paint prior to demolition with its high reach excavators.

Kaiser Permanente was impressed with our work and safety standards and stated their intent to implement our approach for future projects.

Project Managed By LVI Environmental Services Inc., a Los Angeles-based subsidiary of LVI Services Inc. | Client Contact John Colangelo, Project Manager, PCL Construction Services Inc., (818) 246-3481, jcolangelo@pcl.com



MASS GENERAL HOSPITAL | BOSTON, MA









Three, Multi-Story Healthcare & Research Facilities



2007 - March 2009



\$9,000,000



Partners Healthcare



Interior Demolition



Hazardous Material Abatement



Infection Control



Zero OSHA Recordable Incidents

In 2005 Mass General, Harvard Medical School's primary teaching hospital and a leading bioresearch facility, unveiled plans for a new 530,000 SF, 14-floor medical facility. In preparation for demolition of three existing buildings on the new footprint, LVI led full interior demolition.

Working adjacent to operational clinics the entire time, LVI removed 175,000 SF of flooring materials, 25,000 SF of plaster walls and ceilings, 400 windows, 25,000 SF of roofing, 25,000 LF of pipe insulation, 30,000 SF of interior damp proofing, 25,000 SF of stairwells, and 6,000 SF of fireproofing and duct mastics. Exterior facade demolition included abatement of window lintels and adjacent concrete coated with ACM waterproofing mastics, demolition of perimeter columns to perform abatement of structural steel coated with asbestos-containing waterproofing materials. LVI abated from the top down so demolition of the floors above could begin simultaneously down to the foundation shell.

Prior to this major project, LVI performed numerous smaller hazardous materials abatement & interior demolition projects,, including removal of Freon, mercury-contaminated flooring, PCB containing light ballasts and mercury light tubes.

Project Managed By LVI Environmental Services Inc., a Boston-based subsidiary of LVI Services Inc. | **Client Contact** Jim Guiry, Partners Healthcare, (617) 974-3580



YALE NEW HAVEN HOSPITAL, GRACE BUILDING | NEW HAVEN, CT









6-story, 60,000 SF Hospital



June 2005 - November 2006



\$2,000,000



New Haven Hospital (Abatement) Turner Construction (Demolition)



Interior & Structural Demolition



Hazardous Material Abatement



Salvage & Asset Recovery



Infection Control



Zero OSHA Recordables

LVI abated and demolished the Grace Building, a 1940's era 6-story, 60,000 SF hospital with a basement and subgrade tunnel system, to make room



for the new Smilow Cancer Hospital, a 14-story, 497,000 SF facility that achieved Connecticut's first LEED Gold™ Certification for a hospital, thanks in part to the recycling of 90% of materials.

Working adjacent to occupied buildings, LVI used air purifying equipment and extensive air testing both inside the hospital and outside at the work site to maintain strict dust control. Abatement activities included building containments to remove floor tile, pipe insulation, asbestos roofing, asbestos damp proofing, PCB-containing ballasts, mercury-containing bulbs & switches, halon, CFC's, and three underground storage tanks. LVI performed a "soft gut," where walls, doors, and sheet rock are removed to keep the structural demolition debris "clean." At the same time, precious metals including copper and aluminum, and steel were salvaged and recycled. An extended reach excavator and two support excavators completed the structural demolition. LVI earned the maximum of 3 LEED credits for waste diversion.

Project Managed By LVI Environmental Services Inc., a Connecticut-based subsidiary of LVI Services Inc. | **Client Contact** Michael Bruskin, Turner Construction, 203-783-8824



VA CONNECTICUT HEALTHCARE SYSTEM | WEST HAVEN & NEWINGTON, CT







Occupied VA Hospitals



January 2009 - Ongoing



\$ 3,500,000 Aggregate



SEKTECH Construction / VAMC



Selective Demolition



Asbestos & Lead Abatement



Infection Control



Mold Remediation



Emergency Response



Zero OSHA Recordable Incidents

Since 2009, LVI has performed numberous asbestos abatement and selective demolition projects at Connecticut's two operational Veterans Affairs Medical Centers.

- » Asbestos abatement and mold remediation of occupied buildings on the West Haven campus; 18-month, \$2,000,000 project completed on-time, on-budget.
- » Interior demolition and abatement of chilled water lines in 200 separate, highlysensitive areas; 6-month, \$629,000 project completed on-time, on-budget.
- » Interior demolition and asbestos abatement of 15,000 SF chemotherapy center; 2-month, \$255,000 project completed on-time, on-budget.
- » Emergency mold remediation, asbestos abatement, and lead abatement throughout both West Haven and Newington campuses; Initial reponse in 24 hours or less included proper containment and negative air following the Department of Veterans Affairs Infection Control Risk Assessment (ICRA) protocols.
- » Emergency mold remediation of Sterile Processing Department (SPD) amidst design-build restoration; project completed on-time, on-budget.
- » Ongoing selective demolition of operational pharmacies during upgrades by SEK-TECH to meet USP 797 standards, which are the current guidelines, procedures and compliance requirements for compounding sterile preparations.

Project Managed By LVI Environmental Services Inc., a Milford, CT subsidiary of LVI Services Inc. **Client Contact** Kimber Kay, SEKTECH, 203-507-6039 | Bob Palazzi, VAMC, 203-506-4084



RICHARD L. ROUDEBUSH VA MEDICAL CENTER | INDIANAPOLIS, IN







4th & 5th Floor, 29,500 Total SF Occupied Hospital



October 2008 - September 2009



\$500,000



MDM Construction Supply



Selective Interior Demolition



Asbestos & Lead Abatement



Infection Control



Mold Remediation



Zero OSHA Recordable Incidents

LVI conducted asbestos abatement and selective interior demolition of 9,500 square feet on the 4th floor and 20,000 square feet on the 5th floor of Indianapolis' fully-occupied Richard L. Roudebush VA Medical Center.

This was a highly sensitive project as the rest of the hospital remained occupied by patients, health professionals and hospital staff. Asbestos-containing materials abated included over 5,500 linear feet of pipe insulation; 20,000 square feet of contaminated plaster ceilings; 20,000 square feet of floor tile and mastic; and approximately 100 square feet of transite paneling. In addition to removing asbestos containing materials, LVI completely demolished the interior of the C-Wing on the fifth floor.

In addition to working in an area occupied by hospital patients below, LVI worked directly with the VA Medical Center's Infection Control Coordinator to organize our work methods to satisfy the infection control requirements set forth by the Department of Veterans Affairs.

The work was completed on-time and on-budget with zero OSHA recordables.

Project Managed By LVI Environmental Services Inc., a subsidiary of LVI Services Inc. | **Client Contact** Mike Close, MDM, (815) 222-6134, mclose@mdmconstructionsupply.com



MARTINSBURG VA MEDICAL CENTER | MARTINSBURG, WV







Occupied VA Hospital



2005 - Ongoing



\$750,000 Aggregate (Firm Fixed)



Veterans Affairs Medical Center



Selective Interior Demolition



Asbestos & Lead Abatement



Infection Control



Mold Remediation



Zero OSHA Recordable Incidents

LVI is an integral part of the VAMC-Martinsburg Facilities Management Services team, completing over 100 projects within an occupied hospital setting and providing training to hospital personnel.

- » More than 50 asbestos abatement projects throughout different buildings at the facility, many in sensitive patient care areas.
- » Abatement of tank and pipe insulation as part of boiler plant upgrades; 3-week, \$75,000 project completed on-time, on-budget.
- » Mold remediation projects in sensitive areas of the facility; \$250,000 projects completed on-time, on-budget.
- » Emergency mold remediation, asbestos abatement, and lead abatement with initial reponse in 24 hours or less included proper containment and negative air following the Department of Veterans Affairs Infection Control Risk Assessment (ICRA) protocols; \$150,000.
- » Emergency mold remediation of walls and ceilings of Sterile Processing Department (SPD) amidst design-build restoration; \$40,000 project completed on-time, on-budget.

Project Managed By LVI Environmental Services Inc., a Maryland subsidiary of LVI Services Inc. **Client Contact** Jeff Miller, Chief of Facilities, 304-263-0811, Jeffrey.miller6@va.gov

WHO WE ARE



LVI AT A GLANCE

THE RECOGNIZED LEADER IN COMPLEX DEMOLITION AND HAZMAT SERVICES.



LVI is nationally ranked as the top contractor in demolition and hazardous material abatement. With a national network of 32 offices, we're ready to serve you in any environment, from densely urban to isolated and remote. Our focus is simple - lead with safety, build relationships, and deliver quality. The result? An experience our clients describe as exceptional.

Contractor Ranking	#1	
Year in Business	27	
Office Locations	32	
Full-Time Staff	2,000	
Contingency Field Staff	1,500	
Current Safety EMR	0.65	
Average Annual Revenue	\$400 Million	
Aggregate Bonding Capacity	\$235 Million	
Projects Completed	61,000	

OUR MISSION

LVI's mission is to exceed client expectations for safety and performance, develop their long-term trust, and earn repeat business.

OUR ADVANTAGES

- » Top-ranked demolition contractor in the world since 2007 (D&Ri)
- » Top-ranked abatement contractor in the U.S. since 1999 (ENR)
- » Excellent 27-year health and safety record
- » Industry-leading bonding capacity & insurance coverage
- » Scalable services for the most complex jobs
- » Proven, high-quality emergency response experience
- » Self-performing, cross-trained team
- » Largest fleet of company-owned heavy equipment in our industry
- » International presence, local service
- » Licensed in all 50 U.S. states



Today Acquired 2012 Ranked #1 Demolition Contractor Since 2007 **Demolition & Recycling** Interational (D&Ri) Ranked #1 Abatement Contractor Since 1999 **Engineering News** Record (ENR) **Expanded National** Presence (1990) Founded 1986

HISTORY

A LEGACY OF LEADERSHIP.



Headquartered in New York, NY, LVI was originally formed to provide environmental abatement services to an industry that was generating significant growth with the implementation of new legislation.

By the early 1990's, LVI had grown to seven offices and established its national presence. At that time LVI began to implement its diversification strategy through several tuck-in acquisitions that strengthened its national footprint and service capability for national clients.

By expanding service offerings to a broad range of remediation services and adding deconstruction and facility response capabilities including decontamination & decommissioning, infection control, fireproofing, and emergency and disaster response, LVI quickly became a topranked full service contractor.

Recently, LVI acquired two specialty companies - Pioneer Maintenance & Erectors, a millwright and rigging company headquartered in Pennsauken, New Jersey and Randolph Construction Services, a specialized design-build contractor headquartered in Pasco, Washington. Pioneer offers its capabilities for installing complex mechanical systems and equipment dismantlement support, respectively, with emphasis in baggage handling systems at the nation's airports. Randolph is capable of delivering one-of-a-kind industrial, commercial and federal facilities both domestically and abroad. LVI provides design-build services primarily to the federal government through the Government Services Administration, U.S. Army Corps of Engineers and the Department of Energy with an emphasis in border security facilities.

Today, LVI executes approximately 5,000 projects worth \$400 million annually ranging in size from short-term disaster clean-up projects to large-scale, multi-year contracts with public and private sector clients, including many Fortune 500 companies.

For over a quarter century, LVI has built an excellent reputation. Our dedicated team emphasizes job safety, client communication, and solving complex issues in innovative ways.



OUR SERVICES



SERVICES

TURNKEY SOLUTIONS FOR COMPLEX NEEDS.



LVI has safely completed more than 61,000 projects worth \$4.2 billion since our inception, including some of the most complex, secure, and historically significant projects in the U.S.



STRUCTURAL AND INTERIOR DEMOLITION

LVI has been ranked the #1 demolition contractor in the world since 2007 by D&Ri. We offer complete interior and structural demolition and dismantling for projects of varying size and complexity.



HAZARDOUS MATERIAL ABATEMENT

Ranked as the #1 asbestos contractor in the U.S. since 1999 by ENR, LVI brings unmatched expertise in the removal, encapsulation and management of asbestos, lead, PCB, and radiological material.



INFECTION CONTROL

LVI has well over a decade of experience protecting hospital personnel and patients from nosocomial infections and contaminants resulting from demolition and construction activities.



MOLD REMEDIATION

LVI removes indoor contamination caused by toxic molds resulting from water intrusion due to natural disasters, building defects, or other water-related malfunctions.



MILLWRIGHT & RIGGING

LVI offers rigging, millwright, heavy hauling, machinery maintenance and repair, welding, and fabrication. We selectively can dismantlement a plant, and relocate it to a new location, on- or off-shore.



FIREPROOFING

LVI applies spray-on fireproofing, intumescent paint and fire blankets or mineral wool products to structural steel. LVI's expertise and knowledge in UL, ICBO, ASTM, and local and state codes is second to none.



DECONTAMINATION & DECOMMISSIONING (D&D)

LVI provides remediation and demolition of radiologically-contaminated environments at Department of Energy (DOE) and Nuclear Regulatory Commission (NRC) licensed facilities.



DESIGN-BUILD CONSTRUCTION

LVI offers turnkey design-build construction and monitor installation services in support of border control efforts. Services include site surveys, risk analysis, design, value engineering and construction.



SMART DEMOLITION & ASSET RECOVERY

LVI's work approach emphasizes recycling, asset recovery and waste management to maximize re-use of demolished material and divert it from landfills for reprocessing into new materials.



EMERGENCY RESPONSE

LVI provides time-critical disaster recovery and clean-up services including fire & water restoration, property protection, and power services, and removal of damaged materials.



LVI is a client-oriented contractor rather than a contractor-oriented contractor. The difference is they demonstrate a commitment to client satisfaction unlike many of their competitors.

Donald E. Reynolds, Senior Project Manager, ATC Associates, Inc.



STRUCTURAL & INTERIOR DEMOLITION SERVICES

INTERNATIONALLY RANKED AS #1 DEMOLITION CONTRACTOR SINCE 2007.

LVI has self-performed the demolition of everything from hospitals, hotels & casinos, and commercial office to manufacturing, power and chemical plants and highly-secure government and nuclear facilities.

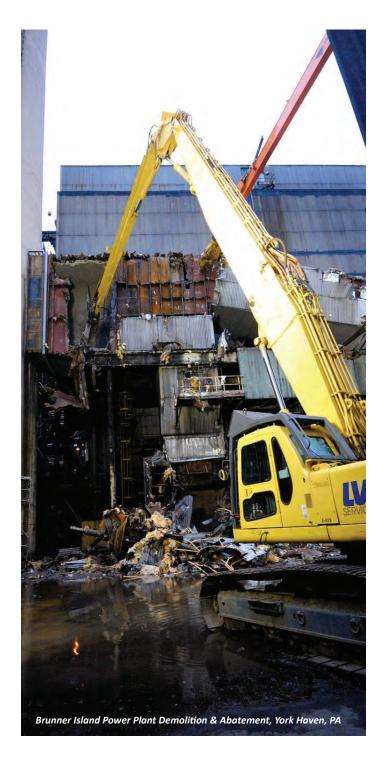
Our demolition experience ranges from selective interior/exterior demolition to the leveling of entire commercial building complexes. From knocking out interior walls to imploding buildings, LVI offers comprehensive demolition services and provides unequalled safety, performance, and efficiency.

When the project involves the removal of turnkey structures, we will remediate the site. The entire project will be performed by LVI, assuring our clients that the work will be completed on or ahead of schedule and in the safest and most cost-effective manner possible.

TOTAL DEMOLITION CAPABILITIES



- » Structural demolition with heavy equipment
- » Manual "torch cutting" demolition
- » High-rise tower demolition
- » Bridge demolition
- » Selective structure demolition
- » Historic demolition for restoration
- » "Soft gut" interior demolition
- » Deconstruction
- » Implosion & managed structural felling
- » Controlled power and industrial stack felling
- » Metals & dismantled equipment salvage
- » Shearing and concrete crushing
- » Structure moving & relocation
- » Paving, utility, and transportation line removal
- » Underground storage tank removal
- » Below grade and tunnel system demolition
- » Concrete, brick, lumber and steel debris recycling





HAZARDOUS MATERIAL ABATEMENT SERVICES



THE NATION'S TOP ASBESTOS ABATEMENT CONTRACTOR SINCE 1999.

LVI brings unmatched expertise in the removal, encapsulation and disposal of asbestos, lead, PCB, hydrocarbons & radiological material.

No other company has the extensive history and successful experience that LVI brings to the table in the highly-regulated asbestos abatement market, and we enjoy a record of compliance in this highly regulated industry. We have more than 50 million hours of removing asbestos over the past 20 years and have performed more than 17,700 asbestos abatement projects just since 2000.

We have a proven track record in the proper abatement of asbestoscontaining materials, our low experience modification rate (EMR) and OSHA incident rates reflect our commitment to health and safety on the job. In occupied buildings, we perform our services while assuring the safety of building occupants.

TOTAL ABATEMENT CAPABILITIES



- » Asbestos remediation, abatement, removal and disposal
- » Encapsulation and enclosure
- » Lead and lead-based paint (LBP) remediation, abatement, removal and disposal
- » Polychlorinate biphenyl (PCB) remediation, abatement, removal and disposal
- » Lighting ballasts handling
- » Mercury lamp handling
- » Hazardous waste drum handling
- » Hazardous material transportation and disposal
- » Radiological/chemical decontamination





INFECTION CONTROL SERVICES

SR

PROTECTING PATIENTS FROM CONTAMINANTS DURING HOSPITAL CONSTRUCTION.

LVI has well over two decades of experience protecting hospital personnel and patients from nosocomial infections and contaminants resulting from construction activities.

LVI works in concert with healthcare facility administrators and general contractors to design and implement a series of engineering controls and physical barriers to prevent construction-related airborne contaminants from escaping work zones. These measures reduce the potential for the inadvertent cross-contamination of patient treatment areas.

LVI infection control technicians design and construct physical barriers, strategically place air filtration equipment, and create negative pressurization in order to control particulates. These activities, in conjunction with constructing ante-rooms (decontamination areas), maintaining cleanliness and establishing waste stream controls, significantly reduce the transmission of potentially infectious agents associated with the construction or renovation process.

We have an uncompromising approach to cleanliness and containment and share our clients' mission of keeping patients, employees and visitors safe and healthy. We also offer insurance that has full pollution endorsements and specifically includes mold coverage.

LVI employees are trained in OSHA's Hazard Communication Standard and chemical safety, and we continually communicate with staff via daily safety meetings. We also keep current with guidelines issued by government and industry organizations, including:

- » Joint Commission on Accreditation of Healthcare Organizations
- » American Institute of Architects
- » Centers for Disease Control and Prevention
- » National Fire Protection Association

Additionally, our director of restoration is a chemist, toxicologist and industrial hygienist who is certified by the American Society of Healthcare Engineering.

TOTAL INFECTION CONTROL CAPABILITIES



- » "Safety Blanket" design and planning
- » Dust control
- » Noise & vibration reduction/control
- » Equipment operation within or adjacent to patientand staff-occupied buildings
- » Airborne contaminant barrier construction
- » Negative pressure containments
- » Decontamination ante-rooms construction
- » Air scrubbing systems and monitoring
- » Particulate count documentation
- » Hazardous material (HAZMAT) abatement
- » Radiation clean-up
- » Mold and biological contaminant remediation
- » Waste stream controls and disposal





MOLD REMEDIATION SERVICES

MOLD. A FOUR-LETTER WORD WITH A NASTY REPUTATION.



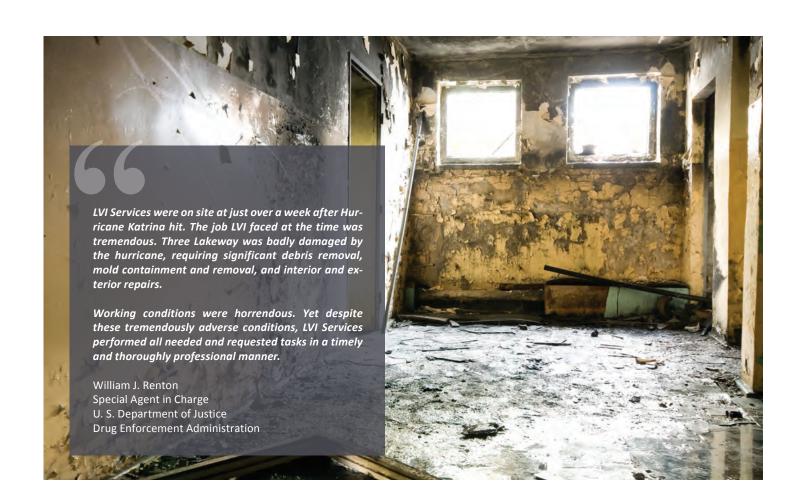
LVI removes indoor air contamination caused by molds resulting from water intrusion due to natural disasters, building defects, plumbing failures or other water-related malfunctions.

LVI is well-versed in the cleanup of mold-contaminated environments in all building types. We employ the most up-to-date, effective and proven mold abatement solutions. We respond promptly and provide cost-effective solutions to remediate affected properties as quickly as possible. We also offer drying and dehumidification services.

TOTAL MOLD REMEDIATION CAPABILITIES



- » Microbial disinfection
- » Moisture mapping
- » Air scrubbing and sanitizing
- » Structural and HVAC decontamination
- » Building containment
- » Basement decontamination
- » Duct cleaning
- » Drying and dehumidification





MILLWRIGHT & RIGGING SERVICES

MACHINERY INSTALLATION, MAINTENANCE OR RELOCATION MADE EASY.

LVI specializes in the precision setting, assembly, alignment, leveling and anchoring of manufacturing equipment such as turbines and generators, process equipment, corrugated and folding box machinery, pumps, compressors, conveyors and machine tools. We can also selectively dismantle, move to a new location (on- or off-shore), and reinstall or rebuild machinery.

In addition to industry leading machinery installation capabilities, LVI offers unlimited capacity in the lifting and hauling transporting of equipment, with single lifts in excess of 500 ton, oversized loads. All rigging is performed by highly trained personnel with state-of-the-art equipment and techniques, including hydraulic lifts.

Our services continue with the option of facility maintenance during temporary scheduled shutdowns, around the clock maintenance scheduling, and 24-hour emergency service. We also provide supplemental maintenance to cover vacations, sick days, and peak production periods. Our trained personnel are current on procedures in confined space entry, respiratory protection, high work, hot work and lock outs.

We also offer a full service shop with capabilities for fabrication and machining as part of facilities maintenance or repair. Specialty machinery repair could include turning, boring, drilling, milling, and grinding. With our welding, shearing, bending and rolling equipment we can fabricate everything from sheet metal to structural steel, stainless steel, aluminum, and specialty metals. If fabrication is needed on-site.

TOTAL MILLWRIGHT & RIGGING CAPABILITIES



- » Machinery assembly and erection
- » Precision setting, leveling, and anchoring
- » Scheduled and emergency machinery maintenance
- » Equipment decommissioning
- » Match marking & heavy rigging
- » Overweight & oversize machinery relocation
- » Re-installation and millwright services
- » Machine repair and rebuild/fabrication shop
- » Mobile machining





FIREPROOFING SERVICES

PROTECTING WHAT MATTERS MOST.





LVI specializes in the application of spray-applied fireproofing and intumescent paint to structural steel, including reapplication following the removal of asbestos-containing materials or other contaminants.

Serving both the new construction and renovation markets, we deliver results that meet all code-related requirements and the specifications of project architects and engineers. We perform this technical service for clients in a variety of industries, including commercial, retail, healthcare, and educational institutions.

LVI also installs intumescent paint, a specialized fire-retardant coating for exposed steel. Designed to look like cosmetic paint, this material – typically used for high-profile and architecturally complex buildings – allows the designer to leave the building structure exposed while providing the required fire rating.

LVI has the technical knowledge to ensure that intumescent paint is applied with the appropriate thickness, primers and topcoats to meet all codes and requirements of the project. LVI's expertise and knowledge in UL, ICBO and ASTM standards

and codes is second to none, offering an unsurpassed confidence level.

TOTAL STEEL FIREPROOFING CAPABILITIES



- » Spray-applied fireproofing
- » Fire-retardant, intumescent paint
- » Fire blankets



DESIGN-BUILD CONSTRUCTION SERVICES

ONE-OF-A-KIND FACILITIES FROM THE GROUND UP.



LVI offers an integrated approach to the design, construction, and installation of sophisticated facilities and equipment, with a single point of responsibility.

Through LVI's subsidiary, Randolph Construction Services, we offer an extensive portfolio of design-build experience in industrial, commercial and federal facilities that spans not only regionally but across our nation and around the world. With almost one million square feet of functioning systems installed, we have proven we can meet the needs of our clients today and far into the future.

We have a diverse staff with the proven capabilities to self-perform complex design-build projects. LVI's unique in-house capabilities allow us to maintain explicit control of all aspects of a project's critical path. Our approach delivers the best value while meeting schedule, cost and quality goals.

TOTAL DESIGN-BUILD CONSTRUCTION CAPABILITIES



- » Land, Sea, and Air Port of Entry (POE) construction
- » Radiation Portal Monitor (RPM) installation
- » Operational laboratory renovation
- » Fish behavior guidance system design
- » Facilities utility infrastructure construction
- » Manufacturing facility design-build construction
- » Historical restoration
- » Project management
- » Renewable energy systems installation





DECONTAMINATION & DECOMMISSIONING (D&D) SERVICES



DELIVERING UNMATCHED SOLUTIONS IN COMPLEX RADIOLOGICAL ENVIRONMENTS.

LVI provides specialized remediation and demolition of radiologically-contaminated facilities and environments. LVI develops costeffective strategies to reduce facility risk, increase safety, and minimize waste.

LVI has a reputation for thorough and safe decommissioning of nuclear facilities throughout the United States. LVI has demonstrated capabilities to manage projects of all sizes on-budget and on-schedule on many of the largest government installations.

We have consistently met complex remedial demands involving the removal of hazardous and radiologically-contaminated materials, as well as equipment, components, soil and structures associated with nuclear sites. Restoration is accomplished by uniquely-qualified professionals with unparalleled experience on nuclear D&D projects.

DECONTAMINATION & DECOMMISSIONING CAPABILITIES

- » Decommissioning planning and estimating
- » Decontamination technology evaluation
- » Nuclear reactor dismantlement & decommisioning
- » Decontamination of radiologically contaminated facilities, equipment and structures
- » Removal, sizing and packaging of radiologicallycontaminated material, equipment, soil, and structures for proper disposal
- » Waste site remediation
- » Asset recovery
- » Cleanup and site restoration
- » Hazardous material abatement
- » Beryllium abatement
- » Biological and chemical decontamination
- » Microbial remediation





SMART DEMOLITION & ASSET RECOVERY SERVICES

MAXIMIZING RESOURCES AND RETURN FOR OUR CLIENTS.



LVI's work approach emphasizes recycling, asset recovery and waste management to maximize material re-use and diversion from landfills for reprocessing into new materials.

LVI considers ourselves to be responsible stewards of the environment. As such, we strive to operate beyond compliance in enhancing the environment and protecting public health. Whenver possible it is our goal to divert, at minimum, 75% of the waste accumulated during any demolition project. To achieve this we develop detailed waste management plans, including those for LEED certification, which factor into the demolition approach and include sorting, hauling, & asset recovery plans.

Our state-of-the-art equipment enable us to perform large-scale concrete breaking & sizing, steel cutting, and equipment dismantling.

TOTAL SMART DEMOLITION CAPABILITIES



- » Development of asset recovery & LEED programs
- » Waste management documentation
- » Deconstruction
- » Systematic structural dissembly
- » Material sorting and recycling
- » Salvage and resale or reuse of non-hazardous metals, brick, lumber and steel
- » Equipment dismantling and salvage
- » "Soft gut" interior demolition
- » Concrete crushing and recycling
- » Material reuse during design-build construction
- » Removal of process decommissioned equipment



RECYCLING BY THE NUMBERS

60% non-ferrous material scrapped per year on average

30,000 – 35,000 tons of scrap recycled per year on average

ANNUAL SCRAP VALUES

2011 \$17.9 Million
2010 \$15.5 Million
2009 \$7.4 Million
2008 \$16.1 Million
2007 \$15.4 Million



EMERGENCY RESPONSE & DISASTER RECOVERY SERVICES



MINIMIZING DAMAGE AND DISRUPTION TO BUSINESS AS USUAL.

LVI offers expert emergency response and recovery services nationwide to minimize damage and disruption for our clients following all types of emergencies and disasters, both manmade and natural.

Our goal is to restore your businesses safely, cost-effectively and within a prescribed schedule. Our expertise and quick action help ensure that our clients suffer the least possible damage as the result of a catastrophe. With a national network of more than 35 offices and a self-performing, cross-trained workforce of approximately 3,500 employees, we can immediately dispatch teams ranging from 10 workers to thousands, depending on the scale of the emergency.

TOTAL EMERGENCY RESPONSE CAPABILITIES



- » Pre-recovery disaster planning
- » Damage inspection and assessment
- » Small- to large-scale cleanup
- » Building dry-in
- » Temporary power
- » Emergency board-up services
- » Water extraction, soot clean-up and odor removal
- » Structural restoration and remediation
- » Salvage mitigation & intermediary brand label liability
- » Electronic data, document, and record recovery
- » Structural drying and dehumidification
- » Hazardous material abatement
- » Mold, biological, and chemical remediation
- » Interior/structural demolition
- » Debris removal and disposal



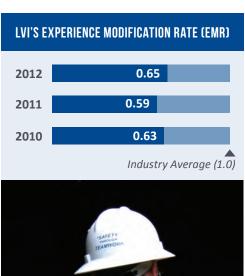
WHY LVI?

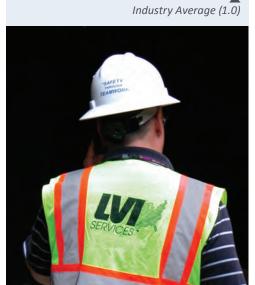


"TARGET ZERO" SAFETY



A SAFETY RECORD SECOND TO NONE.





Safety is not just a goal, it is a responsibility. With safety statistics below industry average for more than 20 years, safety is one of LVI's main competitive advantages.

We are committed to delivering quality work with the safety and health of our employees as a top priority. This responsibility goes far beyond compliance with regulatory requirements, exceeding minimum standards and helping us achieve safe work environments on every project.

Training is key and continuous evaluation of our work practices helps maintain the positive trend we have seen in our safety statistics for the past several years. Our detailed employee handbook sets the stage for safety. Project managers to superintendents have all earned OSHA 30 hour Certifications. These comprehensive education programs further help safeguard project safety.

Our dedicated staff of full-time safety professionals is involved in every phase of a project, working closely with OSHA-certified superintendents and project managers to ensure maximum safety. Safety representatives conduct comprehensive compliance inspections to ensure each project is in line with company policies, client requirements and governing regulatory standards.

Safety and quality are critical elements of LVI's commitment to our customers to deliver quality projects on time, within budget while maintaining a safe work environment for employees, client personnel, and the public alike.



LVI HAS BEEN RECOGNIZED FOR SAFETY ON NUMEROUS PROJECTS.



PLATINUM AWARD, 2010, Harvard University Contractor Safety Assessment Program (CSAP), *ConstructSecure*



OUTSTANDING SAFETY RECORD, 2007

Pentagon Renovation & Construction Program Office



SAFETY AWARD, BARTLESVILLE, 2007

ConocoPhillips



SUSTAINED SUPERIOR SAFETY PERFORMANCE AWARD,

2005, Second Brigade Complex Barracks, Phase I & II U.S. Army Corps of Engineers



PEOPLE

THE BACKBONE OF LVI'S SUCCESS IS OUR PEOPLE.

LVI performs our work with our own highly-trained employees. By eliminating labor suppliers, we provide higher quality work in compliance with your specifications and requirements.

Our strong track record for performance and safety enable us to recruit the most qualified employees, many of which remain at LVI their entire career.

With more than 100 project managers, 100 superintendents, and key managers each bringing 25 or more years of relevant industry experience, our bench strength surpasses our competitors. In addition to these key staff, our labor force numbers more than 2,000 cross-trained staff deployed throughout the U.S. with a contingency of 1,500 field staff to meet any unanticipated needs.

We provide extensive training in operations and safety and maintain incentive programs for all levels of management with performance criteria keyed to on-schedule performance, no loss-time injuries and no environmental violations. Cross-training in more than one specialty trade helps provide greater flexibility in staffing projects to peak performance.

LVI'S BENCH STRENGTH 🛨



100 Project Managers

100 Project Superintendents

2,000 Cross-Trained Field Staff

1,500 Contingency Labor Force













HEAVY EQUIPMENT

LARGEST COMPANY-OWNED FLEET IN OUR INDUSTRY.



LVI is well-positioned to supply the needed equipment and materials for your project in good, safe, and operable condition. With the ability to deploy our own fleet of equipment we maintain control of the project, reduce downtime, and keep projects on-schedule.

Our fleet is equipped with state-of-the-art technology including global tracking, machine diagnostics & maintenance, on-board dust suppression systems, and machine attachments that reduce vibration, dust and noise. Our impact breakers have the lowest decibel readings in the industry.

In the event that LVI requires additional equipment beyond our inventory, we are able to call upon our strong relationships with equipment leasing companies to meet those needs. LVI also has agreements in place with the nation's top three material providers and similar agreements for preferred pricing on various sub-trades, including hauling and disposal.

LVI'S GROWING INVENTORY

150 Trucks 80 Attachments

100 Skid Steers 30 Loaders

75 Excavators 5 Dozers











PROPRIETARY TECHNOLOGY

INNOVATION FOR YOUR BENEFIT.

(w) \$

LVI is a leader in the use of innovative technologies for the benefit of our clients and the industry.

REAL-TIME COST ACCOUNTING

LVI employs a sophisticated, real-time, fully integrated computer cost accounting system to monitor labor, equipment, supplies, subcontractors and other project costs daily with perpetual inventory identifying in detail all consumables and small tools used on every project.

HIGH-PRESSURE WATER JETTING

LVI piloted the use of high-pressure water jets to efficiently remove lead-based paint and asbestos.

BIOMETRIC TIME CLOCK

LVI installs biometric time clocks for its payroll system on large projects. These clocks minimize payroll errors and improve jobsite security. All field worker time is recorded and transmitted via satellite to our payroll center. The system provides accurate cost accounting information and is a better method of tracking time. Debit cards are issued to enable delivery of payroll in a paperless, secure manner. LVI is one of the few specialty contractors of its kind that has incorporated this technology into its business operations.







BONDING & INSURANCE

LARGEST BONDING CAPACITY & BEST INSURANCE IN OUR INDUSTRY.

In addition to having significant working capital, LVI has an aggregate bonding capacity in excess of \$235 million, and holds the most reliable insurance rating in the industry.

\$235 Million
Bonding Capacity

\$30M Per Occurrence
Pollution Coverage

A+
A.M. Best Rating

LVI differentiates itself further by being one of the very few, if not the only, specialty contractor in our field that has an Environmental CGL Policy that covers all pollutants, including asbestos, lead, and other haz-

ardous materials, causing bodily injury or property damage due to dispersal, seepage, migration or release at any time during the course of a project.

PROFESSIONAL ASSOCIATIONS

ACTIVE LEADERS IN OUR INDUSTRY AND LOCAL COMMUNITIES.

LVI maintains memberships in a wide range of important trade associations at the national and branch office level.























WASTE MANAGEMENT FOR LEED CERTIFICATION

A LEADER IN SUSTAINABLE WASTE DIVERSION AND RECYCLING.



In concert with LVI's standard policy to divert the highest percentage of construction and demolition waste from landfills, we also assist clients seeking LEED Certification.

Achieving Leadership in Energy and Environmental Design (LEED) certification is the best way to demonstrate that your project is truly sustainable. LVI regularly assists our clients with meeting the selected certification goal through our innovative recycling and waste diversion procedures.

Our standard goal is to redirect a minimum of 75% of recyclable recovered resources back to the manufacturing process or redirect reusable building materials to the appropriate end users.

To pursue the LEED certification sought, adjustments are made to diversion levels, procedures and impacts.

Certification level and corresponding diversion goals are identified early in the design stage, as higher levels may have cost as well as scheduling impacts. LVI assists during the budgeting process to assure that full impacts are recognized as soon as possible.

Often during the project, LVI appoints a Recycling Field Coordinator responsible to coordinate the enforcement of the LVI Construction Waste Management and Recycling Plan through monitoring, documentation, and training activities.







AWARDS & PRESS



RECOGNITION OF SAFETY & PERFORMANCE EXCELLENCE.

LVI is frequently recognized for our superior service, safety achievements, and innovative technology and methods from national media and industry organizations.

#1 ABATEMENT CONTRACTOR IN THE U.S. SINCE 1999



#1 DEMOLITION CONTRACTOR IN THE WORLD SINCE 2007





OUTSTANDING SUBCONTRACTOR AWARD. 2007 & 2008

Turner Construction



Engineering News Record (ENR)

5TH LARGEST ALL-ENVIRONMENTAL FIRM IN THE U.S.
Engineering News Record (ENR)

PLATINUM AWARD, 2010, Harvard University Contractor Safety Assessment Program (CSAP), *ConstructSecure*



OUTSTANDING SAFETY RECORD, 2007

Pentagon Renovation & Construction Program Office



SAFETY AWARD, BARTLESVILLE, 2007

ConocoPhillips



CERTIFICATE OF EXCELLENCE, 2006 & 2007

Sunoco



SUSTAINED SUPERIOR SAFETY PERFORMANCE AWARD, 2005

Second Brigade Complex Barracks, Phase I & II U.S. Army Corps of Engineers



INDUSTRIES & CLIENTS

27 YEARS OF SERVICE TO INDUSTRY LEADERS.



LVI serves a diverse range of industries and clients, including many Fortune 500 companies.



GENERAL CONTRACTORS

AECOM

PCL Construction Balfour Beatty

BNBuilders Shaw **Bovis Lend Lease** Skanska Swinerton Clark Construction **DPR Construction**

Gilbane Building Co. Turner Construction **Tutor Perini** Hensel Phelps McCarthy Building Webcor Builders NOVO Construction Whiting-Turner

COMMERCIAL

AIG Liberty Mutual AT&T Equity **CBRE** MetLife Comcast NYSE Goldman Sachs Prudential Hines Related JCC **TIAA-CREF** JP Morgan Chase Time Warner

EDUCATION

UCLA Harvard USC NYU Stanford Yale U of Arizona U at Buffalo U of Illinois

POWER

UC Berkeley

U of Washington

ConEd **NRG Energy** NYPA Dynegy PG&E **HECO** National Grid **TECO**

当人 OIL & GAS

British Petroleum Chevron ConocoPhillips Dow Chemical Exxon Mobil Marathon Oil Sunoco Valero Energy

INDUSTRIAL

Boeing Johnson Controls Coca-Cola Lockheed Martin General Electric PepsiCo DuPont Raytheon **Hewlett Packard** Samsung Honeywell **US** Gypsum **IBM VMWare** Intel Xerox

* RETAIL/FINANCIAL

Bank of America Staples Disney **Target** Home Depot Verizon JC Penney Walgreens Kohls Walmart Wells Fargo Kroger Macy's

HOSPITALITY

Sears Holdings

Felcor Ritz Carlton Hyatt HCA Marriott W Hotels Hilton Sheraton Starwood Host

HEALTHCARE & PHARMA

AbbVie St. Jude CHC **UCLA** Cedars Sinai **UCSD**

Children's Hospital U of Oklahoma Hoffman Yale New Haven

Kaiser Pfizer Merck

Mass General

GOVERNMENT

Air Force Army Corps of Engineers Coast Guard Customs and Border Protection Department of Energy Department of Homeland Security Department of Veterans Affairs Federal Aviation Administration Food & Drug Administration **General Services Administration** National Park Service National Nuclear Security Admin.

Naval Facilities Engineering Command NASA

US Postal Service

Washington Headquarters Services

NUCLEAR

DOE U of Illinois Magnox U of Washington U of Arizona U at Buffalo



OFFICE LOCATIONS



NATIONAL PRESENCE, LOCAL SERVICE.

LVI is licensed in all 50 states to perform demolition, hazardous material abatement and soil & mold remediation - along with its disaster response capabilities. This, combined with our network of 32 branch offices in all major U.S. markets and abroad, enables LVI to deliver the resources, skill, and know-how to your project with aptitude and efficiency.



EVERYWHERE YOU NEED US TO BE.

WEST

Denver, CO Las Vegas, NV Los Angeles, CA Orange, CA Richland, WA San Diego, CA San Francisco, CA Wahiawa, HI

MIDWEST

Cincinnati, OH Indianapolis, IN Chicago, IL Shawnee, OK

SOUTH CENTRAL

Houston, TX Orange, TX

SOUTH EAST

Ft. Lauderdale, FL Knoxville, TN Tampa, FL

NORTH EAST

Albany, NY
Boston, MA
Bristol, PA
East Hanover, NJ
Gaithersburg, MD
Lutherville, MD
Massena, NY
Milford, CT
New York, NY

Pennsauken, NJ Philadelphia, PA Pittsburgh, PA Rochester, NY Trumbull. CT 66

I would like to express my appreciation to LVI for professionalism and outstanding efforts in the successful completion of the hazard-ous removal and interior demolition of the Pentagon Wedge II Renovations project.

By working closely with our superintendent, we were able to complete this project within the time frame of our very aggressive and accelerated schedule.

I look forward to working with your staff again in the future and have no reservations at recommending LVI to potential clients.

Tom Miller, Program Manager Hensel Phelps Construction Company

LEARN MORE

LVI Services Inc. (212) 951-3660 www.lviservices.com

24-HOUR EMERGENCY RESPONSE

(800) 283-2933

