

**LOUIS DIBERARDINIS**

24 Twitchell St.  
Wellesley, MA 02482  
781-239-3671

**EDUCATION:**

Northeastern University	B.S. Chemical Engineering 1970
Harvard University	M.S. Industrial Hygiene 1975

**CERTIFICATION:**

Diplomat, American Board of Industrial Hygiene  
Comprehensive Aspects of Industrial Hygiene,  
October, 1975, No. 995  
Diplomat, Board of Certified Safety Professionals  
Comprehensive Practice  
June, 1984, No. 7332

**EMPLOYMENT:**

<b>Director, Environment, Health &amp; Safety</b> Environmental Programs Office Massachusetts Institute of Technology Cambridge, MA	9/01 - Present
<b>Director of Operations and Administration</b> Environmental Medical Service Massachusetts Institute of Technology Cambridge, MA	2/00 – 9/01
<b>Associate Director</b> Environmental Medical Service Massachusetts Institute of Technology Cambridge, MA	3/97 - 2/00
<b>Industrial Hygiene Officer</b> Environmental Medical Service Massachusetts Institute of Technology Cambridge, MA	4/92 - 3/97
<b>Associate Industrial Hygiene Officer</b> Environmental Medical Service Massachusetts Institute of Technology Cambridge, MA	1/89 - 4/92
<b>Industrial Hygiene Engineer</b> Department of Health and Safety and Environmental Affairs Polaroid Corporation Waltham, MA	9/86 - 1/89

**Industrial Hygienist** 9/76 - 9/86  
Department of Environmental  
Health and Safety  
Harvard University Health Services  
Cambridge, MA

**Staff Industrial Hygienist** 6/75 - 8/76  
7/70 - 9/74  
Department of Environmental  
Health Sciences  
Harvard School of Public Health  
Boston, MA

**Assistant Chemist** 12/68 - 12/69  
Massachusetts Department of  
Labor and Industries  
Division of Occupational Hygiene  
Boston, MA (Co-Op Program)

**Research Assistant** 12/66 - 7/68  
Department of Environmental  
Health Sciences  
Harvard School of Public Health  
Boston, MA  
(Co-op Program)

**ADDITIONAL PROFESSIONAL EXPERIENCE:**

**President** 1/80 - Present  
DiBerardinis Associates, Inc.  
Industrial Hygiene Consultants  
Wellesley, MA

**Visiting Lecturer** 10/86 - Present  
Department of Environmental Health  
Harvard School of Public Health  
Boston, MA

**Consultant** 9/78 - Present  
Department of Continuing Education  
Harvard School of Public Health  
Boston, MA

**PROFESSIONAL SOCIETIES:**

American Academy of Industrial Hygiene  
Secretary/Treasurer 1983 - 1986  
President 1991 - 1992

American Conference of Governmental Industrial Hygienists  
American Industrial Hygiene Association  
Engineering Committee 1976 - 1978  
Biohazards Committee 1977 - 1979  
New England Section President, 1985-1986

American Chemical Society Division of Chemical Health and Safety (Affiliate member) Editorial Board, 1994 - present  
American Society of Safety Engineers  
The British Occupational Hygiene Society  
Air Pollution Control Association-New England Section  
American National Standards Institute  
Z.9 Committee on Safety Codes for Exhaust Systems 1984 - Present, Vice Chair  
Chair Z.9.5 subcommittee on Laboratory Ventilation  
American Society of Heating Refrigerating and Air Conditioning Engineers  
Joint Council for Health, Safety and Environmental Education of Professionals, 1994- Present, President 1997-99

### **Awards**

1997 Chemical Health and Safety Award, Chemical Health and Safety  
Division, American Chemical Society

1997 Fellow, American Industrial Hygiene Association

2005 Silverman Award, New England Section, American Industrial Hygiene  
Association

### **PUBLICATIONS**

1. Baum, Janet S., DiBerardinis, LJ, “**Open Laboratories: Operational and Safety Issues or How to Determine if Open Laboratories Will Work for You**”, Chemical Health and Safety, 13(1), January/February 2006.
2. DiBerardinis, L., “**EH&S Best Practices for Project Designers and Managers**”, Chemical Health and Safety, 9(1), 1-5, January/February 2002.
3. Julien, R., DiBerardinis, L., Herrick, R., Edwards, R., “**Strategy to Assess Exposure of Laboratory Personnel to Select OSHA-Regulated Chemicals at Massachusetts Institute of Technology**”, Chemical Health and Safety; 8(4), 25-29, July/August 2001.
4. Greenley, P., Billings, CE, DiBerardinis, LJ,, Edwards, RW, Barkley, WE, “**Containment Testing of Laboratory Hoods in the As Used Condition**” Applied Occupational and Environmental Hygiene; 15(2): 209-216, (February, 2000)
5. Tan, Y., DiBerardinis, LJ, Smith, TJ, “**Exposure Assessment of Laboratory Students**”, Applied Occupational and Environmental Hygiene; 14(8): 530-538, (August, 1999)
6. Butt, G., Greenley, P., Herrick, R., and DiBerardinis, L.J., “**Exposure to Gluteraldehyde Vapors During Endoscopic Sterilization Processes in a Large Research and Teaching Institution**”, Journal of Healthcare Safety, Compliance and Infection Control; Volume 3, Number 4 172-179, (April, 1999)

7. Greenley, P., DiBerardinis, L., Lorch, F., "**Containment Testing for Occupied and Unoccupied Laboratory Hoods**", ASHRAE Transactions, CH-99-9-1(1999)
8. Tu, Huiping, DiBerardinis, L.J., Lipman, N.S., "**Determination of Air Distribution, Exchange, Velocity and Leakage in Three Individually Ventilated Rodent Caging Systems**" Contemporary Topics, American Association for Laboratory Animal Science, (January, 1997)
9. DiBerardinis, L.J., Fink, R.C., Galanek, M.S., "**Laboratory on the Move**" Chemical Health and Safety, Volume 3, Number 4, 34-39. American Chemical Society, Washington, DC (July/August, 1996)
10. Hallock, M.F., Martin, K.P., Mendes, B.L., DiBerardinis, L.J., Greenley, P.L., Lynch, T.L., "**Development of a Program for Performance Evaluation of University Specialty Local Exhaust Systems for Compliance with the OSHA Laboratory Standard**", Applied Occupational and Environmental Hygiene; 11 (3):170-177. (March, 1995)
11. DiBerardinis, L.J., "**Specialized Local Exhaust Ventilation**", Chemical Health and Safety, Volume 1, No.4 16-18. American Chemical Society, Washington, D.C. (December, 1994)
12. Boswell, R.T., Ducatman, A., DiBerardinis, L., "**The Epidemiology of Indoor Odor Complaints at a Large Teaching Institution**", Applied Occupational and Environmental Hygiene; 9 (4):281-286. (April, 1994)
13. DiBerardinis, L., First, M., Ivany, R., "**Field Results of an In-Place Quantitative Performance Test for Laboratory Fume Hoods**", Applied Occupational and Environmental Hygiene; 6 (3):227-231. (March, 1991)
14. Ivany, R., First, M., DiBerardinis, L.J., "**A New Quantitative Method for In-Place Testing of Laboratory Hoods**", American Industrial Hygiene Association Journal; 50 (5):275-280. (May, 1989)
15. DiBerardinis, L.J., First, M.W., Price, J., Martin, K., "**Design of a Toxic Chemical Storage Cabinet**", American Industrial Hygiene Assoc. J., 44:583 (August, 1983).
16. American Industrial Hygiene Association Engineering Desk Reference. **Chapter on Respiratory Protection**, (June, 1982).
17. Musk, W.A., Peters, J.M., DiBerardinis, L.J., Murphy R.L.H., "**Absence of Respiratory Effects in Subjects Exposed to Low Concentrations of TDI and MDI**", J. of Occupational Medicine. 24-746 (October, 1982).
18. DiBerardinis Associates, "**Guidelines for Laboratory Design: Health and Safety Considerations**", Manual prepared for Exxon Corporation, Research and Environmental Health Division (1980).
19. DiBerardinis, L.J., Burgess, W.A., Gold, A., Treitman, R., "**Worker Exposure to Particulate Air Contaminants in Rubber Plants**", Presented to American

Industrial Hygiene Association (May 1977).

20. Fine, L.J., Peters, J.M., Burgess, W.A., DiBerardinis, L.J., "**Studies of Respiratory Morbidity in Rubber Workers**", Arch. Env. Health, 31:195 (July, 1976).
21. Gempel, R., DiBerardinis, L.J., Treitman, R., Burgess, W.A., "**Heat Stress in Tire Plants: Part 1: The Thermal Environment**", Presented to American Industrial Hygiene Association (May 1975).
22. Burgess, W.A., DiBerardinis, L.J., Speizer, F.E., "**Health Effects of Exposure to Automobile Exhaust - V. Exposure of Toll Booth Operators to Automobile Exhaust**", American Industrial Hygiene Assoc. J., 38:184 (April, 1977).
23. Theriault, G.P., Burgess, W.A., DiBerardinis, L.J., Peters, J.M., "**Dust Exposure in the Vermont Granite Sheds**". Arch. Env. Health. 28:12-17 (January, 1974).
24. Burgess, W.A., DiBerardinis, L., and Speizer, F.E., "**Health Effects of Exposure to Automobile Exhaust - Environmental Assessment of Exposure**", Arch. Env. Health, 26:325 (June, 1973).
25. Ayer, J.C., Dement, J.M., Busch, K.A., Ashe, H.B., Levadie, B.T.H., Burgess, W.A., DiBerardinis, L., "**A Monumental Study - Reconstruction of a 1920 Granite Shed**", American Industrial Hygiene Assoc. J., 34-206 (May, 1973).
26. Silver, L., Davidson, G., Jansson, D., Yankovich D., Burgess, W. A., DiBerardinis, L., "**Analytical Modeling of Respiratory Protective Devices**", American Industrial Hygiene Assoc. J., 33:775 (December, 1971).

### TEXTBOOKS

1. DiBerardinis, L. et al **Guidelines for Laboratory Design: Health and Safety Considerations**. 3rd Edition, John Wiley & Sons, New York, 2001.
2. Young, Jay, Editor, **Improving Safety in the Chemical Laboratory**, 2nd Edition, Chapter 19, "Building Design", John Wiley & Sons, New York, 1991
3. Liberman, Daniel, Editor, **Biohazards Management Handbook**, 2nd edition, Chapter 16, "U.S. Office of Safety and Health Administration Laboratory Standard: Regulation of Hazardous Chemicals in the Laboratory " and Chapter 17, "The Occupational Safety and Health Administration (OSHA) Hazard Communication Standard As It Applies To Laboratories", Marcel Dekker, Inc, New York, 1995.
4. DiBerardinis, Louis, J., editor, **Handbook of Occupational Safety and Health**, 2<sup>nd</sup> Edition, John Wiley & Sons, New York, 1998
5. Stellman, J.M., Editor-in-Chief, **Encyclopedia of Occupational Health and Safety**, 4<sup>th</sup> Edition, Vol III, Part IX, Chapter 61.20 "Methods for Localized Control of Air Contaminants", International Labour Organization, Geneva, Switzerland, 1998
6. McCunney, Robert J., Editor, **Medical Center Occupational Health and Safety**, Chapter 23, "Control of Health Hazards", Lippincott Williams &

Wilkins, Philadelphia, 1999

7. Alamo, Robert J., Editor, Handbook of Chemical Health and Safety, Chapter 42 "**Specialized Laboratory Containment-Control Hoods**", and Chapter 43 "**Laboratory Chemical Hoods**". Oxford University Press, New York, 2001.

#### **MONOGRAPHS**

1. American National Standard for Laboratory Ventilation, ANSI/AIHA Z9.5-1992 and 2003, L. DiBerardinis (Z9.5 Committee Chair), American Industrial Hygiene Association, 2700 Prosperity Avenue, Suite 250, Fairfax, VA, 1993

LOUIS DIBERARDINIS  
DIBERARDINIS ASSOCIATES, INC.  
**CONSULTING EXPERIENCE**

**COMPANY**

**Wellesley College**

Science Center  
Wellesley, MA  
Contact: Roz White  
Dates: 12/94 - Present

**DESCRIPTION**

Provide laboratory health and safety support including routine inspections and training. Assist in development of Chemical Hygiene Plan.

**Polaroid Corporation**

Waltham, MA  
Contact: Mike Walters  
Dates: 1/89 – 12/2000

Provide industrial hygiene services for chemical manufacturing plants. Coordinate corporate asbestos and contaminant control ventilation programs. Perform health and safety audits.

**Burke Rehabilitation Hospital**

White Plains, New York  
Contact: Dr. Harriet Baker  
Date: 6/94 – 4/00

Perform health and safety audits and provide training.

**Braintree Fire Department**

Braintree, MA  
Contact: Captain John Grandy  
Dates: 5/84 – 5/99

Conduct safety and health inspections of a hazardous waste recycling company located in the town. Work with town and company officials to effect necessary changes in facilities and procedures. Present findings at town meetings.

**American Chemical Society**

Washington, DC

Contact: Judy Markis  
Dates: 6/95 - 4/97

Technical consultant on the production of a training film on laboratory fume hoods.

**General Electric Co.**

Madisonville, Kentucky  
Contact: Robert Gibson  
Dates: 12/93 - Present  
Wilmington, NC  
Contact: Brookes Wicker  
Dates: 5/96 - 7/96

Evaluate contaminant control systems. Provide design specifications for upgrading ventilation systems.

**Archdiocese of Boston**

Malden, MA  
Contact: Don Kenney  
Dates: 1/96 - 3/96

Develop Haz Com and confined space entry programs. Perform exposure assessments and conduct training.

**DIBERARDINIS ASSOCIATES, INC.**  
**CONSULTING EXPERIENCE**

**COMPANY**

**ALSCO**

Raleigh, North Carolina  
Contact: Andrew Prokopetz  
Dates: 2/93 - 2/94

**DESCRIPTION**

Provide design specifications for local exhaust systems for contaminant control at ALSCO production facilities.

**Howmet Corporation**

Detroit, Michigan  
Contact: Jerry Hoffman  
Dates: 3/90 - 3/92

Develop and implement a 5 year program to upgrade the ventilation system of an Alloy foundry including design, contract specifications and construction management.

**Chem Design, INC**

Fitchburg, MA  
plants  
Contact: Robert Brinkley  
Dates: 11/89 - 12/89

Perform industrial hygiene and safety audit of chemical manufacturing

in Fitchburg, MA and Marinette, WI

**McLean Hospital**

Belmont, MA  
Contact: Dave Balise  
Dates: 6/77 - 9/85

Provide industrial hygiene services for laboratories as needed. Review renovation projects.

**Mabbett Capacio Associates**

Cambridge, MA  
Contact: Arthur Mabbett  
Dates: 6/78 - 9/86

Conduct industrial hygiene surveys for clients. Recommend environmental control programs. Review design specifications.

**V.A. Hospitals**

Bedford, MA & Manchester, NH  
West Roxbury, MA  
Contact: Robert Thompson  
Dates: 1/80 - 9/86

Conduct industrial hygiene surveys for hazardous agents including asbestos, ethylene oxide, formaldehyde, noise, heat. Recommend and design control procedures. Conduct Training seminars.

**MASCO**

Boston, MA  
Contact: Peter Wall  
Dates: 1/83 - 9/86

Conduct waste anesthetic gas surveys in operating rooms of several hospitals that are members of MASCO. Recommend control procedures. Present findings to hospital administrators.

**National Hazards**

**Control Institute**  
Easton, PA  
Contact: Stan Bielicki  
Dates: 1/83 - 9/86

Conduct training seminars on laboratory health and related topics to various industries.

**DIBERARDINIS ASSOCIATES, INC.**  
**CONSULTING EXPERIENCE**

**COMPANY**

**CPC North America**  
Peterson/Puritan, Inc.  
Contact: Peter Roncetti  
Dates: 8/84 - 9/86

**Dalton Electronics Co.**  
Beverly, MA  
Contact: Byron Atwood  
Dates: 9/84 - 12/84

**Millipore Corporation**  
Bedford, MA  
Contact: Dr. Chriss Janson  
Dates: 6/80 - 6/83

**DESCRIPTION**

Perform air sampling at company's Rhode Island facility, which is on the EPA Hazardous Waste Site list.

Develop program for compliance with "Right-to-Know" Law.

Assist in developing a chemical and safety program for all production and research facilities.