



Buzzards Bay Project
1994 Governor's Toxics Use Reduction Award
Plant Tour Attendees
Johnson & Johnson, Professional, Inc.
New Bedford, Massachusetts
May 18, 1994

Rosemary S. Tierney
Mayor, New Bedford

David Gerwatkowski
New Bedford City Council-Ward 1
Council President

Robert Koczera
New Bedford State Representative

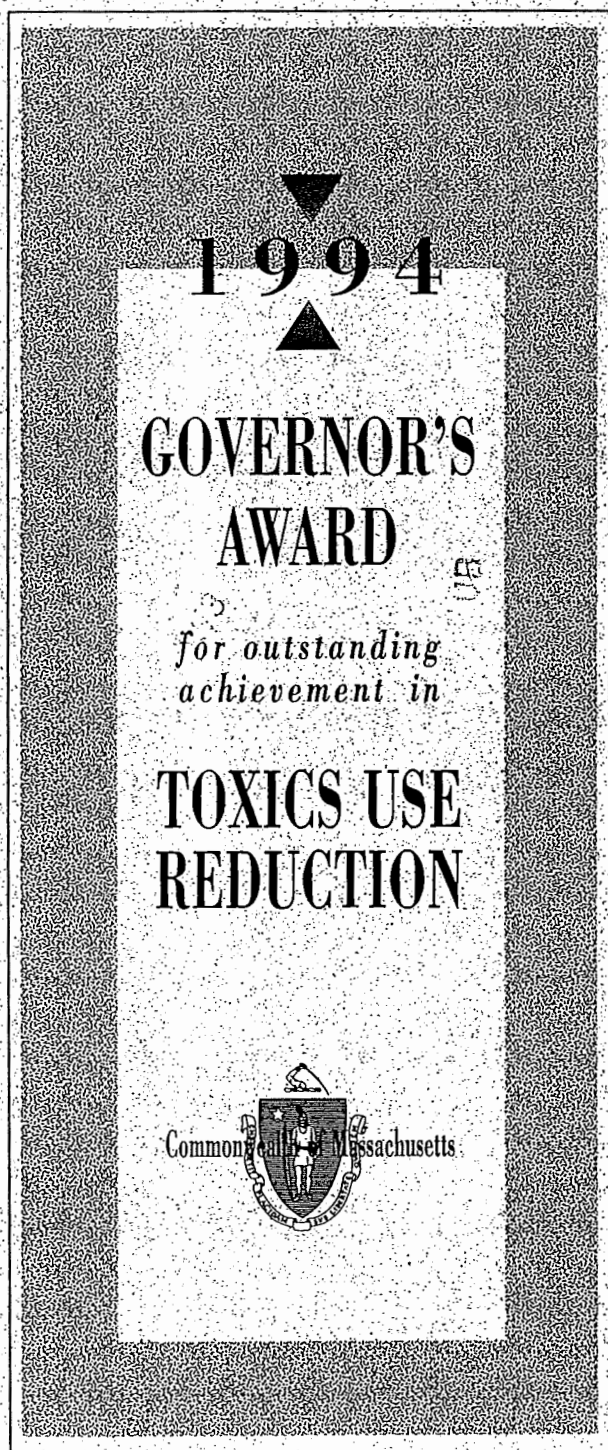
Bernadette Coelho
Press Secretary, New Bedford

Robert Allain
Risk Manager, New Bedford

Frederick M. Kalisz, Jr.
Program Coordinator, Toxics Use Reduction Program
Buzzards Bay Project

Steve McKenna
Toxics Use Reduction Program
Buzzards Bay Project





AWARD CRITERIA

Reduction Achieved

Identify the toxic substances addressed and express the reduction achieved in context (e.g. quantity reduced, percent reduction, by-product reduction, or reduction per unit of product).

Benefits Achieved

Economic—Describe the economic benefits in the context of the project, such as the savings realized, costs avoided, and/or return on investment.

Environmental—Express the environmental benefits in terms of the hazard reduced and the environmental media or resources affected. You may include the ecological benefits expected over time as the project continues.

Worker Health and Safety—State the hazard reduced or eliminated, and the number or percentage of workers benefited.

Public Health—Identify the public health hazard reduced or eliminated and the populations protected.

Innovation

Describe how your project breaks new ground. All areas of innovation will be considered, including product reformation, process redesign, technological break-through, and changes in management structure.

Transferability

Illustrate the potential for the strategy or technology you employed to be replicated or adapted in other toxics use reduction projects.

AWARD PROGRAM

The 1989 Massachusetts Toxics Use Reduction Act (TURA) demonstrates a unique partnership between industry, government, labor, and the general public to reduce the use of toxic substances for the protection of worker health and safety, public health and the environment.

The purpose of the Governor's Awards is to recognize and award outstanding achievement in Toxics Use Reduction by individuals, industry, and institutions representing both public and private sectors in Massachusetts.

RECOGNITION

The Honorable Paul Cellucci, Lieutenant Governor of the Commonwealth of Massachusetts, will present the awards at a special ceremony to be held at the State House on May 26, 1994.

Plaques will be presented to winning projects. Individual contributors, responsible for the design and/or implementation of the project, will receive certificates.

JUDGING THE ENTRIES

A Blue Ribbon Panel will review entries and select the winners. The panel will be comprised of representatives of industry, academia, the financial community, the media, and the Awards Committee for the Toxics Use Reduction Advisory Board.

Entries will be evaluated on criteria that include documented cost savings, quantified toxics use reduction, benefits to health, safety and the environment, transferability of technology and innovation.

ELIGIBLE PROJECTS

Individuals or organizations demonstrating outstanding examples of Toxics Use Reduction activities in the following categories will receive awards:

Industry

Other Private Sector—Hospitals, laboratories, consulting firms, individuals

Schools/Academic Institutions

Public Sector—POTWs, municipal or state agencies, advocacy groups.

SUBMITTING YOUR ENTRY

To enter, complete the entry form and prepare a typed two page summary of your project. The summary should explain, in context, what you or your organization have accomplished, how it was accomplished, and the benefits of the program or project. All entries will become public records and may be used in publicity about the program. The awards panel may request additional information as part of its review process. Attach the summary to the entry form and submit it to:

AWARDS COMMITTEE

Toxics Use Reduction Advisory Board
P.O. Box 886
Needham, MA 02192

For information call 508-934-3275.
Ask for TURA Awards Program.

*All entries must be received by
April 15, 1994.*

Entry Form

1994 Governor's Award For Toxics Use Reduction

To enter, complete this form and attach a two page description of your TUR project. Make sure that your entry addresses the criteria listed on this brochure.

Name of Applicant(s) Johnson & Johnson Professional, Inc.

Address John Vertente Blvd., New Bedford Industrial Park, New Bedford, Ma. 02740

Telephone (508) 998-1104

Contact Person Steve Hemingway Title Manager, Env. Safety Engineering

All entries must be submitted by April 15, 1994

Johnson & Johnson PROFESSIONAL, INC.

Johnson & Johnson Professional, Inc., a division of Johnson & Johnson has developed a toxic use reduction process that encompasses employee involvement and empowerment, pollution prevention goals, and continuous improvement. Our process begins with a serious commitment by senior management that employee safety and protection of environmental resources is essential to sustain a viable relationship with our customers and to maintain respect from the communities in which we manufacture goods.

The process is designed to incorporate volunteer employee participation from all areas of the organization, including; clerical, engineering, finance, human resources, maintenance, manufacturing, marketing, operations, quality control, wellness, etc.

The system that has been developed to implement this multi-disciplinary approach to safety and environmental management is what Johnson & Johnson Professional refers to as the S.E.E. (Safety, Ergonomic & Environmental) process. The concept of S.E.E. is to provide a means for all employees to understand how the business impacts them from a safety standpoint. It includes; providing information regarding chemical use, storage and waste disposal; educating individuals on chemical management and reduction practices; monitoring systems to control the distribution and use of hazardous materials; involving employees in overall environmental management; and providing systems to create a work place free from industrial injuries and occupational illnesses.

The S.E.E. organization is headed by a S.E.E. Core Group, which consists of members of senior management, environmental engineering and plant management. At the Core level, new regulations and policies are addressed and information regarding same is disseminated to facility S.E.E. Steering Committees (plant manager and S.E.E. Task Force Chairpersons) for implementation. The Task Force Teams identify and implement programs for continuous improvement in the areas of employee safety, waste reduction and environmental management. Individual Task Force Teams are provided with educational training appropriate for the specific issues they will address. For example, the Environmental Task Force Teams receive training on issues such as; air chemistry, clean air regulations, air emissions, drinking water, stormwater, groundwater, waste water, hazardous chemical control & disposal, emergency response, etc..

As a result of the S.E.E. organization and the corresponding training, Johnson & Johnson Professional, New Bedford, has eliminated approximately sixty-five percent (65%) of its annual production weighted hazardous waste generation since 1990.

Programs implemented by the New Bedford Environmental Team since 1990 include:

The addition of a nitrogen-based stainless steel heat treat system which replaced open sulfuric and nitric acid baths. The new system eliminated the purchase and disposal of acids associated with the process (approx. \$25,000.00 annually), eliminated the potential for a serious injury and reduced wastewater discharge by thirty percent (30%).

Removal of all CFCs from plant operations, including degreasing and HVAC units. Degreasing units now utilize biodegradable, non-toxic chemicals and the HVAC units have been altered to use alternative cooling media.

Elimination of a toxic chemical (mixed solvent containing xylene and toluene) utilized in an instrument color coating operation. The solvent, which has a flash point of 4°C, had been identified as a concern by a wage employee who suggested we perform the operation without the solvent. The process specification has since been rewritten without the solvent at a cost savings of approximately \$30,000.00 annually and avoidance of any unnecessary injuries associated with its use.

Removal of 1,1,1,TCE from all operations. This chlorinated solvent, once used extensively as a cleaning agent has been removed from all processes. It has been replaced by biodegradable chemicals where necessary or eliminated completely. An hourly employee spearheaded the removal of all 1,1,1,TCE after having received training on its hazards.

Implementation of closed-loop filtration systems for recycling waste water associated with vibratory tumbler units has been completed. The result has been an approximately sixty percent (60%) reduction in waste water discharge to the New Bedford POTW.

Development and implementation of training and awareness programs for all employees on environmental management and waste reduction.

Additional waste reduction programs have been completed, including; removal of acetone as a cleaner throughout the facility; converting a majority of general machinery to water soluble and biodegradable lubricants; removal of xylene from the model shop; implementing recycling programs for scrap metal, computer paper and corrugated boxes (30% reduction in solid waste); removal of chromium and nickel from the plating operation; eliminating cadmium from the silver solder operation; and providing new spill prevention equipment in the plating and chemical storage locations.



April 13, 1994

Buzzards Bay Project

AWARDS COMMITTEE

Toxics Use Reduction Advisory Board

P.O. Box 886

Needham, MA 02192

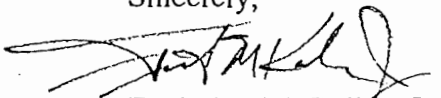
re: Governor's Award For Toxics Use Reduction/Johnson & Johnson Professional, Inc. of New Bedford

I am pleased to place into record the following letter of verification and recommendation for the TURA Awards Program entry submission made by Johnson & Johnson Professional, Inc. plant operations specific to the facility located in the New Bedford Industrial Park. The Buzzards Bay Project, as well as representation from the Office of Technical Assistance, have toured the facility and have witnessed the extensive, all encompassing approach to TUR.

A very aggressive management plan has been adopted by Johnson & Johnson Professional, Inc. in efforts that far surpass the goals of the Toxics Use Reduction Act. In the words of Richard O. Kuntz, plant manager of the New Bedford facility, we have embarked on "a process of continuous improvement". The goals and objectives as set forth by the firm include an all encompassing approach to TUR which include: product substitution, technological improvement, communications development, and most important and vital to the efforts success - full volunteer employee participation and education. Management further believes that the costs associated with implementation of toxics use reduction are costs that simply cannot be ignored. The return on the investment made in capital dollars and time have been measured by enhanced bottom line profitability, reduction and elimination to costly and toxic process materials, and has improved and made safer working conditions for all employees. In addition, it has served as an education process, causing employees to take home with them work habits that result in lower utility use and basic conservation practices.

The efforts of Johnson and Johnson Professional, Inc. are remarkable due to the time dedicated to their ongoing development within the plant. They can serve as a role model for other local plants, who can model and replicate many of the non-proprietary measures they have undertaken. It is for this all inclusive approach to TUR that we of the Buzzards Bay Project Toxics Use Reduction Program endorse their entry for your consideration.

Sincerely,


Frederick M. Kalisz, Jr.
Program Coordinator
Toxics Use Reduction



The Commonwealth of Massachusetts

Advisory Board on Toxics Use Reduction

GOVERNOR'S AWARD PROGRAM

100 Cambridge St.
Room 2009
Boston, MA 02202

April 19, 1994

Frederick M. Kalisz, Jr.
Buzzards Bay Project
2 Spring Street
Marion, MA 02738

Dear Mr. Kalisz:

On behalf of the Toxics Use Reduction Advisory Board's Governor's Award Subcommittee, I am writing to inform you that the Subcommittee is in receipt of your application.

The Entry Review Panel will convene on April 29 and will at that time choose award recipients. Award winners will receive notification on or around May 4.

We appreciate your interest in the Governor's Award Program and your commitment to the Massachusetts Toxics Use Reduction Program.

Sincerely,

Gretchen Latowsky
Chairperson, TUR Program Awards Committee

TUR Program Awards Committee

Chairman,
Gretchen Latowsky
John Snow Inc.

Robert (Tim) Hawes
Polaroid Corporation

Susan Swedis
Clark University

Jeff Heroux
Operations
Management
International, Inc.

Kathleen Hearn
Former Director of the
Toxics Reduction and
Control Program for
the Massachusetts
Water Resources
Authority

(For TUR Awards Committee Members):

Robert Hawes
Polaroid Corporation

Jeff Heroux
Operations Management
International, Incorporated

Kathleen Hearn
Former Director of the Toxics
Reduction and Control Program
for the Massachusetts Water
Resources Authority

Susan Swedis
Clark University



Buzzards Bay Project

For additional information:
Frederick M. Kalisz, Jr.
Program Coordinator
Toxics Use Reduction Program
Buzzards Bay Project
2 Spring St.
Marion, Ma.
(508) 748-3600

FOR IMMEDIATE RELEASE:

NEW BEDFORD FIRM RECIPIENT OF GOVERNOR'S TOXICS USE REDUCTION AWARD

The Buzzards Bay Project has received notification that **Johnson & Johnson Professional, Inc.** of **New Bedford** has been selected the recipients of the **1994 Governor's Award for Outstanding Achievement in Toxics Use Reduction** presented in the Commonwealth of Massachusetts. The award, predicated on the 1989 Massachusetts Toxics Use Reduction Act (TURA), recognizes and awards outstanding achievement in Toxics Use Reduction by individuals, industry, and institutions representing both public and private sectors of Massachusetts.

The Buzzards Bay Project - Toxics Use Reduction Program, funded by The Environmental Protection Agency and the Executive Office of Environmental Affairs of the Commonwealth, works with local industry to reduce the use and discharge of toxic materials to Buzzards Bay and its watersheds and further assists them to comply with state and local discharge limits in meeting the goals of TURA.

The awards presentation to the five (5) outstanding firms in Massachusetts is scheduled for May 26 in Boston. Additional information will follow as made available.

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Buzzards Bay Project

May 13, 1994

To: Mayor Rosemary S. Tierney, Senator Montigny, Representative Koczera,
Councillor Gerwatowski
From: Fred Kalisz, Jr.

Re: **Johnson & Johnson Professional, Inc.** (formerly Codman & Shurtleff)
New Bedford Industrial Park

Recipients of the 1994 Governor's Award for Outstanding Achievement in Toxics Use Reduction

Only five firms in the Commonwealth have been recognized in 1994.
Competitive, Environmentally driven awards program

Invitation will be mailed to you for presentation ceremony in Boston,
Noon, May 26, 1994 at the State House

Local Introduction to the Award and Plant Visit on May 18, 1994 - 1 p.m.
time commitment requested: 90 minutes

The Buzzards Bay Project-Toxics Use Reduction Program has worked with J & J
in the recognition of eligibility, preparation and submittal of the application.

The award is based upon the Toxics Use Reduction Act of 1989, a goal of 50% reduction in
industrial and commercial use of toxics by 1997.

**J & J have increased employee safety, reduced toxics and created an environment that is
more productive and profitable.**

local plant manager: Richard Kuntz
manager of environmental and safety engineering: Steven Hemingway

