

Rutgers, The State University of New Jersey



**2005
Health,
Safety, and
Environmental
Affairs
Report**

1 Introduction

Introduction from Associate Vice President Michael Quinlan

I am pleased to introduce this report on our Health, Safety, and Environmental Affairs for 2005. These pages describe the nature of our work, document our performance for the past year, list some of our major accomplishments, and announce our goals for the future.

Our health, safety and environmental affairs include a wide array of activities. We work with faculty, staff and students on all of Rutgers campuses and associated research and extension facilities. This provides us a unique opportunity to assist in furthering the educational, research, and outreach efforts of the University.

It is our hope that, in this report, you will see Rutgers commitment to protecting all members of the University community; to protecting the natural environment of our campuses, the surrounding communities and our state; and to promoting compliance with applicable regulations. This is a challenge and a commitment that we take seriously each and every day. We thank you for sharing this commitment and we look forward to continuing to work with everyone at Rutgers to meet, or exceed, our goals for the coming year.



Michael C. Quinlan
Associate Vice President for Business Services



Newark Campus



New Brunswick Campus

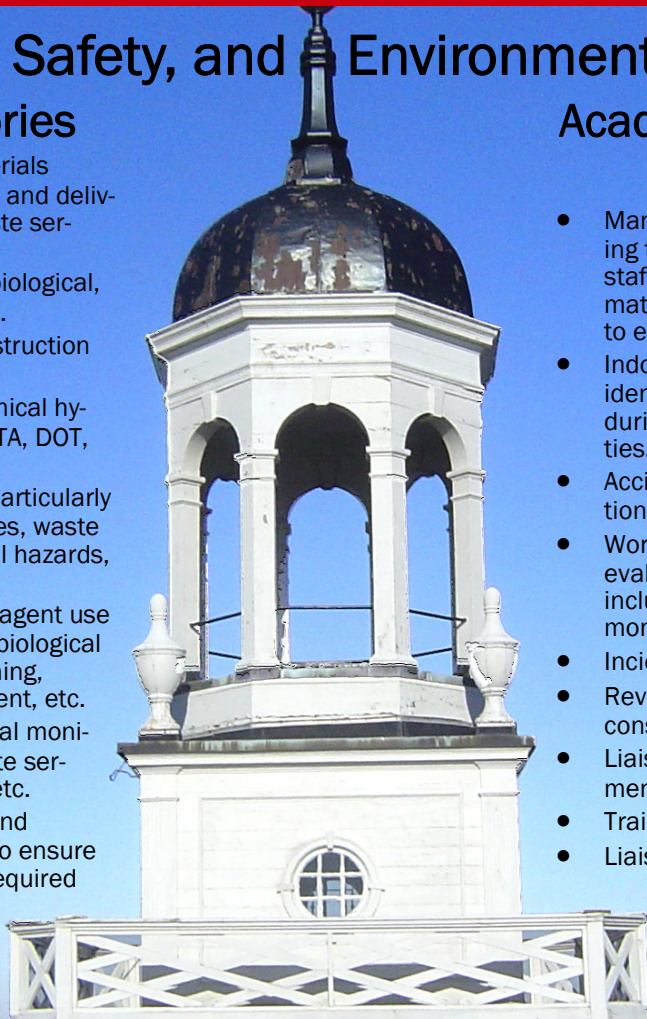


Camden Campus

Health, Safety, and Environmental Services

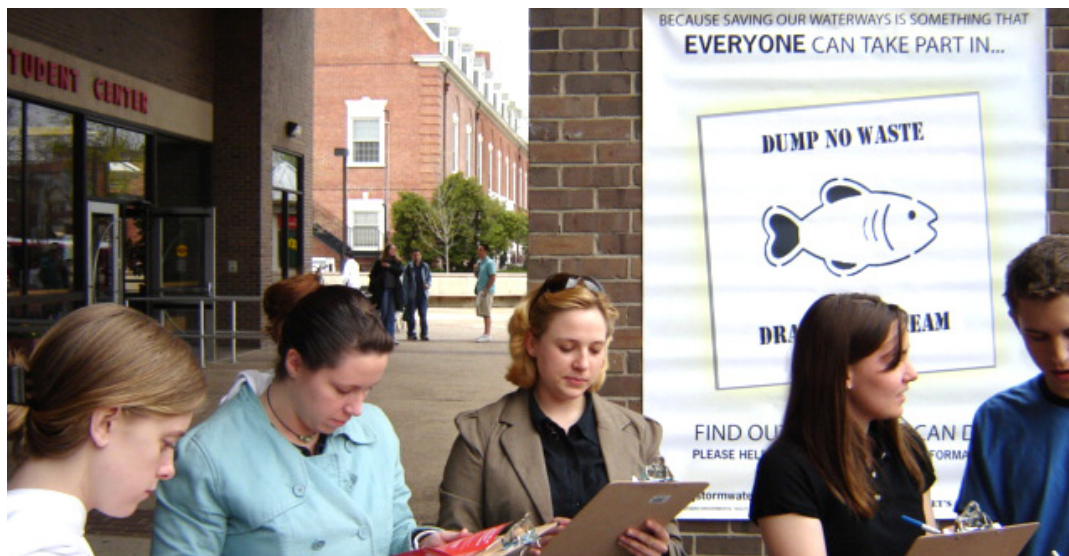
Research Laboratories

- Management of radioactive materials license including material receipt and delivery, personal monitoring and waste services.
- Incident response for chemical, biological, radiological and physical hazards.
- Review of laboratory design, construction and renovation activities.
- Training including radiation, chemical hygiene, hazard communication, IATA, DOT, RCRA, biosafety, laser, etc.
- Process review including use of particularly hazardous substances, EHS issues, waste minimization techniques, physical hazards, etc.
- Biological safety including select agent use and possession, waste services, biological safety cabinet certifications, training, protocol review, hazard assessment, etc.
- Chemical safety including personal monitoring, hazard assessments, waste services, process reviews, training, etc.
- Audits to identify EHS concerns and compliance, fume hood surveys to ensure proper function, and regulatory required inspections.
- Consultation services on any EHS issues.
- Liaison with regulatory agencies.



Academic / Administrative Departments

- Management of asbestos program including training of maintenance and custodial staff, proper identification and removal of materials, waste services and inspections to ensure condition of materials.
- Indoor air quality evaluations including identifying protective measures to be used during renovation and maintenance activities.
- Accident investigations and implementation of corrective actions.
- Worksite inspections and assessments to evaluate health and safety concerns, including personal monitoring, area monitoring, and return to work issues.
- Incident response and recovery.
- Review of building/room design and construction site activities.
- Liaison with University wide and Departmental safety committees.
- Training on any EHS topic.
- Liaison with regulatory agencies.



Students completing questionnaire at Stormwater Fair.

Student Services

- Laboratory safety including: training, hazard assessments, monitoring, etc.
- Indoor air quality evaluations.
- Asbestos and Lead Paint notifications.
- Customized safety trainings.
- Response to health, safety and environmental concerns.
- Expertise to assist in class projects, papers, etc.

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EPA Compliance & Self-Audits

In November 2001, Rutgers became the first university in the nation to enter into a voluntary audit agreement with the United States Environmental Protection Agency (US EPA). The audit agreement provided Rutgers with an opportunity to evaluate our environmental compliance and disclose violations to the EPA without receiving typical enforcement action. We conducted inspections of 11 regulatory programs including the following:

- Resource Conservation and Recovery Act (RCRA) – generation, maintenance and disposal of hazardous waste from laboratories, maintenance, housing & dining activities, art school and other facilities.
- Universal Waste – generation of used oil, disposal of mercury containing light bulbs, and disposal of consumer electronics from all facilities.
- Underground Storage Tanks – removal, upgrades and/or replacement of underground tanks containing gasoline, diesel and heating oil.
- Clean Air Act – compliance with New Source Performance Standards (NSPS), fuel burning equipment and equipment containing freons (CFCs).
- Asbestos Abatement – compliance with National Emission Standards for Hazardous Air Pollutants (NESHAP) for asbestos abatement projects including notification, removal and disposal of asbestos containing materials.
- Polychlorinated Biphenyls (PCBs) – use, disposal and research activities with PCB compounds.
- Lead Base Paint – notification and information to apartment residents on the presence of lead paint in dwellings.
- Pesticides (FIFRA) – compliance with worker protection standard when applying pesticides.
- Spill Prevention, Control and Countermeasures (SPCC) – development of plans to address storage, control and response to releases of oil.
- Risk Management Plans – development of specific plans to minimize frequency and severity of chemical accidents if storing large quantities of designated chemicals.
- Underground Injection Control (UIC) Class V Wells – identification and upgrade to septic systems.

We submitted our final self-disclosure audit reports to the EPA on June 15, 2003.

Benefits to the University

The agreement to self-audit and self-disclose violations to the EPA has provided many benefits to the University including:

- Correction of all non-compliant conditions.
- Enhanced use and storage of hazardous materials.
- Minimized environmental impact.
- Increased regulatory compliance and knowledge of the regulations.
- Improved efficiency of operations.
- Waived all monetary penalties, to date.



Rutgers First in Nation to Do Voluntary EPA Audit

Rutgers, the State University of New Jersey, has taken advantage of EPA's innovative self-audit policy and agreed to do a comprehensive environmental audit of its five major campuses and off-campus facilities. The

agreement is the first of its kind between EPA and a college or university.



Proper laboratory storage of flammable materials in an approved cabinet.

Continuing Efforts

As part of the agreement, the University committed to implement policies and programs to maintain compliance and prevent recurrence of violations. This included the following:

- Continue to promote compliance by:
 - Communicating regulatory requirements and compliance issues to appropriate staff.
 - Ensuring individual responsibilities are known and understood.
 - Providing training that is up to date, appropriate for the audience and addresses environmental, health and safety issues.
- Continue to conduct annual audits of the 11 regulatory programs, including:
 - RCRA and safety audits of more than 1,300 laboratories.
 - RCRA and Universal Waste audits of 13 research farms and field stations.
 - RCRA and Universal Waste Audits of 35 Facilities, Housing and Dining locations.
- Construction of a Pesticide Handling Facility in at the Agricultural Experiment Station in Upper Deerfield.
- Development, updates, audits and monthly inspections of 8 campuses or locations with SPCC plans.
- Constructing and implementing Title V permits (air permits for a major facilities) and requirements for Busch/Livingston, Cook/Douglass and Newark campuses.
- Upgrade of 14 Underground Injection Control systems (completed upgrade to 11 systems, 3 systems in process).
- Identification, set-up, and maintenance of Satellite Accumulation Areas (SAA) for all waste generation areas.
- Auditing of off-site waste processing and disposal facilities.
- Implementation of waste reduction activities, including:
 - Neutralization of acid waste (23% increase in the volume of waste neutralized in 2005 compared to 2004).
 - Implementation of a mineral spirits reclamation program at Mason Gross School of Arts (115 gallons reclaimed in 2005).
 - Redistribution of unopened, unwanted chemicals (1,665 pounds of chemicals redistributed in 2005).
 - Installation of silver recovery units for photo processing units.
 - Recycling of universal waste and consumer electronics including a University wide consumer electronics removal and recycling event in 2004 (removed approximately 20 tons of consumer electronics).
- Enhancement of the REHS website to provide compliance information, training modules, data submittals, and database compliance programs.



Spill Prevention Control and Countermeasures deployed during fuel delivery on Busch Campus.



Hazardous waste stored in a Satellite Accumulation Area

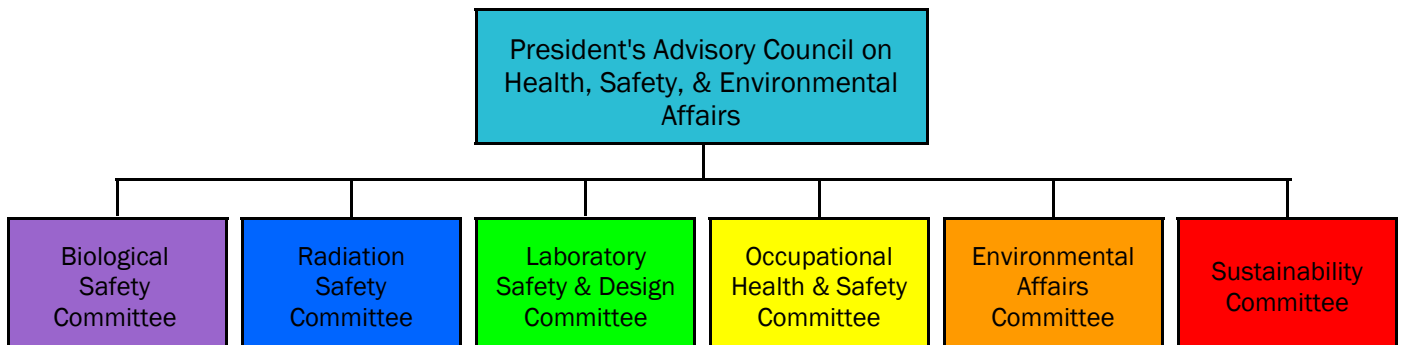
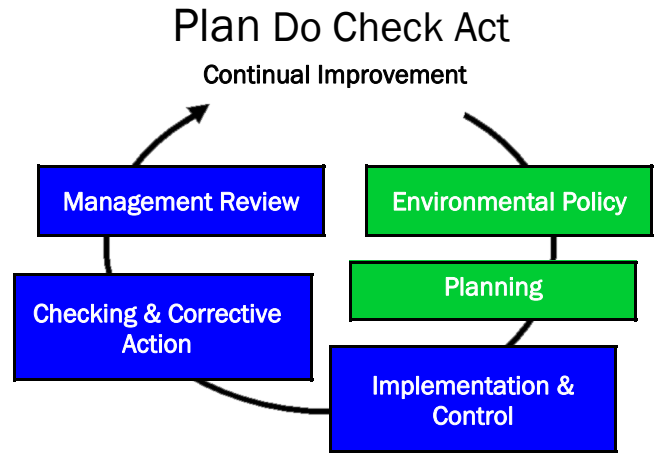
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Environmental, Health, and Safety Management System

Rutgers continues to implement a comprehensive Environmental, Health, and Safety Management System (EHSMS). An EHSMS is designed to provide and incorporate the following:

- An organizational approach to environmental, health and safety (EHS) management.
- EHS considerations into day-to-day operations.
- A structured framework to achieve continual improvement.

An integral part of the EHSMS is setting a policy that governs your EHS management. In 2005, President McCormick endorsed and signed the University's EHS policy. This policy, entitled "Commitment to Health, Safety and Environmental Affairs", clearly outlines our approach to these issues. This policy also established a University committee structure to advise senior administration on all matters of health, safety and environmental protection and assist in developing policies and procedures to achieve these goals. This included the President's Advisory Council on Environmental, Health and Safety Affairs and the establishment of two additional University wide committees, Sustainability and Environmental Affairs. The following organizational chart depicts the committee structure.



The President's Advisory Council on Health, Safety and Environmental Affairs members consist of Senior Level Administrators as well as the chairperson from each technical committee and is charged with the following:

- Advise the President, senior administrators, and others concerned on the state of the EHS program.
- Promote and communicate EHS stewardship throughout the University.
- Provide guidance and assistance to REHS and the technical committees, as requested.
- Assist in recommending EHS goals for the University, including resources necessary for achieving such goals.
- Submit an annual report on EHS affairs.

The Technical Committees include faculty, staff and students (sustainability committee) from various disciplines and are charged with the following:

- Recommend and adopt policies and procedures for area of expertise.
- Audit and report on the quality of programs under their purview.
- Communicate EHS issues to the University community.
- Recommend EHS goals and appropriate measures.
- Advise the administration, REHS and other concerned on the technical aspects of EHS issues assigned to their committee.
- Review and approve research activities and protocols as required by regulatory or institutional mandates.

Commitment to Health, Safety, and Environmental Affairs

Rutgers, The State University of New Jersey, is committed to protecting the health and safety of all members of the university community and our environment. To demonstrate this commitment, Rutgers shall be a leader amongst public research universities for health, safety and environmental performance. Therefore it shall be the policy of Rutgers University to:

- Provide facilities and operations that are safe and healthful;
- Strive to prevent all occupational injuries and illnesses by emphasizing safety management, education and training, and safe work practices;
- Comply with all applicable health, safety, and environmental laws and regulations;
- Minimize waste; and reuse / recycle materials when it is economically and environmentally appropriate;
- Ensure that health, safety, and environmental protection is a principal consideration in the design, construction, and/or renovation of all buildings and facilities;
- Establish goals, measure, and report our health, safety, and environmental performance;
- Incorporate health, safety, and environmental behaviors and values in our teaching and research while maintaining the independence and vitality of these activities.
- Be open and communicate broadly our health, safety, and environmental activities and performance.

All members of the University community, including students, faculty, staff, visiting researchers and contractors, are expected to be cognizant of, and conform with, university policies and procedures and share the responsibility for minimizing risks to health, safety and the environment.

Faculty and supervisory staff must assure that their employees and students work in a safe, healthful, and environmentally responsible manner and comply with all applicable laws, regulations, university policies and procedures.

The Rutgers Environmental Health and Safety Department (REHS) is responsible for implementing University policies by providing consultation, education and training, audits, and other services.

A University Committee structure will advise the senior administration on all matters of health, safety, and environmental protection and assist in developing policies and procedures to achieve these goals.

Approved:

Richard L. McCormick

Date: 3/23/05

Richard L. McCormick, President

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Clean Water Act

The Clean Water Act (CWA) is the cornerstone of surface water quality protection in the United States. The statute employs a variety of regulatory and non-regulatory tools to sharply reduce direct pollutant discharges into waterways, finance municipal wastewater treatment facilities, and manage polluted runoff. These tools are employed to achieve the broader goal of restoring and maintaining the chemical, physical, and biological integrity of the nation's waters so that they can support "the protection and propagation of fish, shellfish, and wildlife and recreation in and on the water."

As part of our commitment to protecting the environment and compliance with these regulations, we have implemented the following programs:

Groundwater

Underground storage tanks (USTs) are a potential source of groundwater pollution and many older tanks have leaked their contents to the surrounding environment. To eliminate or minimize these risks, we have:

- Removed over 250 underground storage tanks that contained heating oil, diesel fuel or gasoline.
- Upgraded or replaced current tanks in use that includes the installation of double wall tanks and leak monitoring systems.
- Installed monitoring wells to delineate areas of concern and ensure proper remediation.



Removal of an Underground Storage Tank (UST) to prevent future groundwater pollution.



Fuel dispensing system with secondary containment at Snyder Farm.

Surface Water

One aspect of our program is to reduce or eliminate discharges that go directly into surface waters (i.e. streams, lakes, rivers). Recently, we redirected the water discharge of hundreds of cooling towers to the sanitary system. Previously, the majority of the cooling tower water would have been discharged to surface water. This eliminated the need to obtain a campus wide discharge permit and conduct continuous sampling, as required by the EPA and New Jersey Department of Environmental Protection (NJ DEP), but more importantly eliminated the discharging of this water directly to the environment.



Buell Brook on Livingston Campus.

Stormwater

Over land or via storm sewer systems, polluted runoff is discharged, often untreated, directly into local water bodies causing water pollution, potential destruction of fish, wildlife, and habitats, loss in aesthetic value, and threats to public health due to contaminated food and drinking water supplies.

As a result, the USEPA has issued Phase II stormwater regulations. The University has developed a compliance program and has implemented standard operating procedures to comply with the regulations and our stormwater permit. This includes:

- Detailed mapping of all stormwater inlets, outfalls and receiving waters.
- Enhanced street sweeping program to include parking lots in addition to the roadways.
- Eliminated washing of vehicles. Previously the discharge (water, soaps, oils, etc.) from washing vehicles was allowed to enter into the storm drains and waterways.
- Identified illicit sewer connections and repaired these connections.
- Improved grounds maintenance, including the proper collection and disposal of vegetative waste, daily inspections of grounds and collection of litter, and routine maintenance of storm sewer systems.
- Improved existing drainage areas.
- Implemented site control procedures during construction activities to minimize the amount of dirt/soil from entering into storm drains or waterways (streams, ponds, rivers, etc.)



Facilities Operations and Services operating the University street sweeper.



Improved drainage area at Passion Puddle outfall on Cook Campus.



University storm sewer marker.

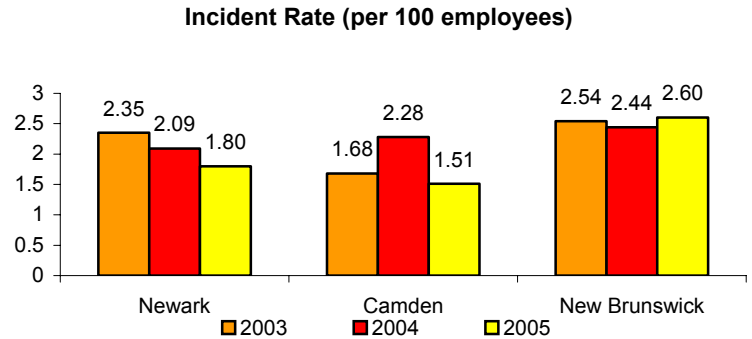
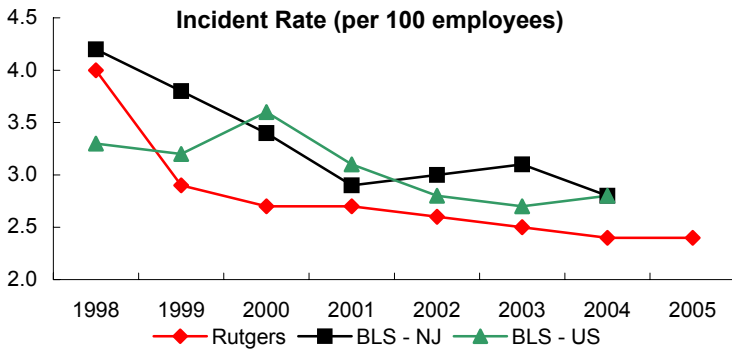
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Protecting People

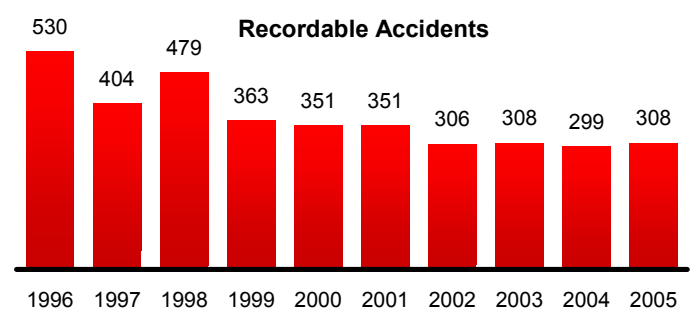
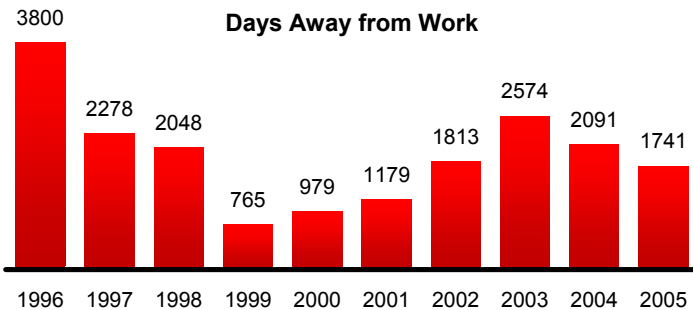
University Safety Performance

The University is committed to protecting our most valued resource – our employees! We continued our efforts to ensure a healthful and safe workplace. In 2005, we noted the following:

- Qualified, for the 7th consecutive year, for the New Jersey Department of Labor and Workforce Development “Governor’s Safety Award” for minimizing lost time accidents.
- A significant reduction in the incident rate for Camden and Newark campuses.
- A 3% increase in the number of recordable incidents for the University.



Incident rate based on the number of recordable accidents per 100 employees.
BLS=Bureau of Labor Statistics—Data for Higher Education from US and NJ



Recordable accidents are work-related injuries and illnesses that result in death, loss of consciousness, days away from work, restricted work activity, or medical treatment beyond first aid.

Program Highlights for Occupational Health and Safety

We provide comprehensive occupational health and safety programs that anticipates, controls, minimizes or eliminates hazards. This includes biological safety, radiation safety, laboratory safety, and general health and safety programs. In 2005 we:

- Participated in the Federal TOPOFF exercise. The University was the showcase site for the simulated mass distribution of pharmaceuticals. This full-scale exercise provided an opportunity to test, evaluate and improve our response capabilities.



Federal, State and local dignitaries toured the site.



Volunteers preparing to enter simulated pharmaceutical distribution center at the RAC.

Program Highlights for Health/Safety (cont.)

- Created a Reproductive and Developmental Health Policy. Approved by the Occupational Health & Safety Committee and the Laboratory Safety and Design Committee, the policy provides a process to be followed to address employee/student reproductive and developmental health concerns.
- Continued oversight of the Asbestos Management Program which included training of all maintenance and custodial employees, oversight of 229 abatement projects and 14 NESHAPS asbestos removal projects, visual inspection of asbestos ceilings in over 2,900 rooms in 30 buildings, and collection of more than 1,000 bulk samples to identify asbestos containing materials.
- Continued to ensure compliance and management oversight for the possession, use, and transfer of Select Agents.
- Continued oversight of biological safety program including the review and approval of 28 new and 21 renewed biological safety protocols (with Biological Safety Committee), conducting compliance audits of BSL2 laboratories, ensuring certification of all BSL2 biological safety cabinets, and ensuring proper disposal of approximately 90,000 pounds of medical waste.
- Conducted safety inspection of 1,300 laboratories and 44 maintenance shops.
- Conducted our first Laboratory Safety Fair on the Busch and Cook campuses that provided laboratory researchers, students and employees an opportunity to obtain health/safety information, see and evaluate new products, and talk to other departments that provide laboratory services.
- Implemented safety training binders and train-the-trainer session for Housing supervisors for their monthly safety talks.



Utilities personnel preparing to enter into a confined space.



Laboratory Safety Awareness Fair on Busch Campus.

Program Highlights for Radiation Safety

- Comprehensive Nuclear Regulatory Commission (NRC) inspection of the Rutgers license was conducted in March 2005. No violations were noted.
- Successfully renewed NRC broad scope license for the Robert Wood Johnson Medical School.
- Successfully renewed NJ Department of Environmental Protection (NJDEP) state license for Rutgers.
- Began University wide radon re-screening program.
- Performed community outreach programs including providing training modules to NJ science teachers, incident response to radioactive materials to local fire departments and science lectures at local high schools.
- Transferred and shipped high radiation source from storage facility.
- Created online training video for non-laboratory workers.



REHS guest speaker at NJ Science Education Leadership Association.



Creation of online Radiation Safety Video.



Preparation for radiation source shipment.

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Protecting the Environment

Our environmental programs cover a broad array of activities and operations that are conducted at the University. The programs are designed to foster research and educational activities, improve operations and comply with all applicable regulations. These programs include the management and disposal of hazardous, universal, and radioactive wastes, control of air emissions, proper use and storage of hazardous materials, and protection of the environment. The goals of our environmental programs are to:

- Minimize waste and reuse/recycle materials.
- Consider environmental protection as part of our building construction and renovation.
- Comply with all applicable laws and regulations.
- Provide educational and training materials to ensure compliance and increase awareness.

Program Highlights in Environmental Protection

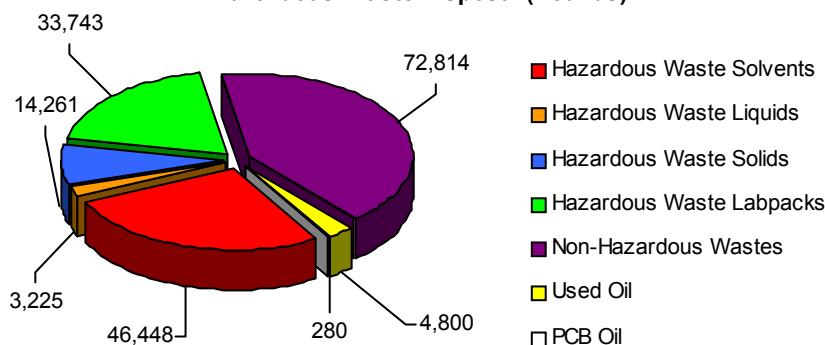
Our hazardous, radioactive, and universal waste management program includes the proper identification of waste, implementation of waste minimization techniques, and prompt removal of materials from the point of generation. In 2005 we note the following:

Hazardous & Universal Waste Management

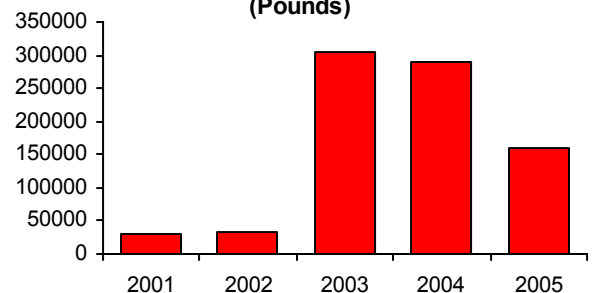
Implementation of waste minimization programs including:

- Neutralization of acid waste (23% increase in the volume of waste neutralized in 2005 compared to 2004).
- Implementation of a mineral spirits reclamation program at MGSA (115 gallons reclaimed in 2005).
- Removal of hazardous and universal waste from point of generation within 5 working days of request (99.7%).

Hazardous Waste Disposal (Pounds)



Universal Waste Disposal (Pounds)

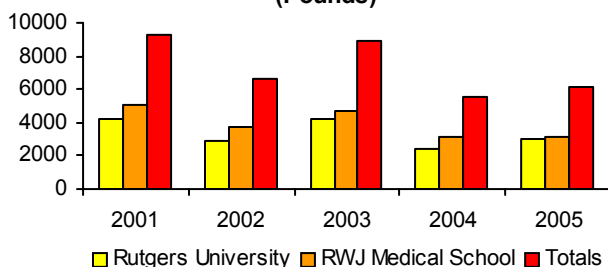


Radioactive Waste Management

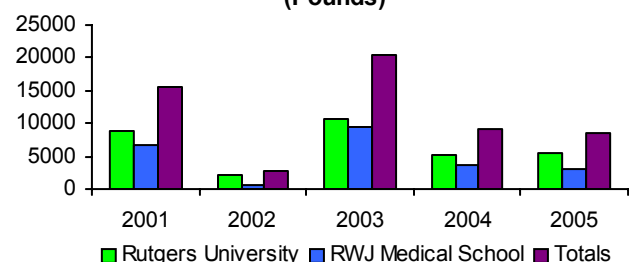
Implementation of waste minimization programs including:

- Transfer of the radioactive waste decay operation to a new facility.
- Removal of radioactive waste from point of generation within 5 working days of request (99.4%).

LLRW Decayed and Shipped as OCMW (Pounds)



LLRW Shipped Off-Site for Disposal (Pounds)



LLRW = Low Level Radioactive Waste OCMW = Over Classified Medical Waste

Environmental Programs Highlights

- Compiled environmental performance measures for the University using the College and University Self Tracking Tool for the years 2001-2004 that included information on energy use, hazardous waste generation and minimization, solid waste generation and recycling, universal waste generation, and water usage.
- Expanded alternative fuel vehicle program. We now have 12 cars and 4 pick-up trucks that all operate on clean compressed natural gas (CNG). Natural gas produces approximately 1/10th the emission of a hybrid vehicle. Expanded our CNG filling stations to 3 stations including a fast-fill and timed-filled station on the Livingston Campus and a time-filled station on the Camden Campus.
- Instituted a pilot program to run diesel trucks on a mixture of bio-diesel fuel. Biodiesel is produced domestically from various sources such as corn stalks and soybeans. The blend that we are using is called B20 and consists of 20% Biodiesel and 80% low Sulfur diesel. This mixture has been shown to reduce unburned hydrocarbons by 20%, as well as Carbon Monoxide and Particulate Matter (soot) emissions by 12%. The goal of the pilot program is to prove the practicality of using Biodiesel, first on a limited number of vehicles, and to then expand it's use across the New Brunswick / Piscataway campuses

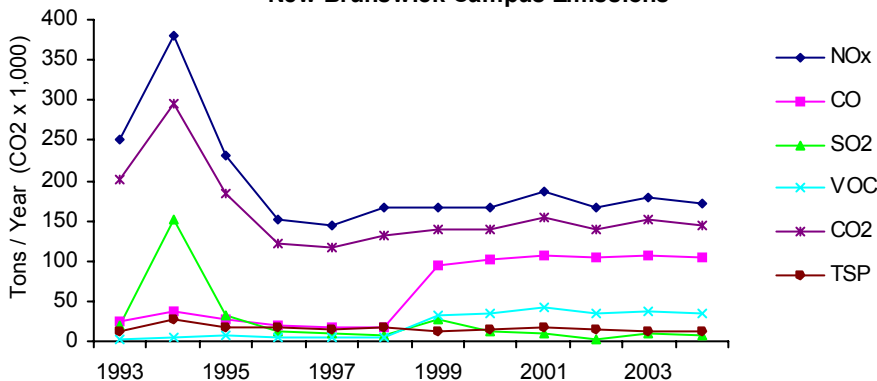


Students using field on Camden Campus.

Air Program Activities in 2005

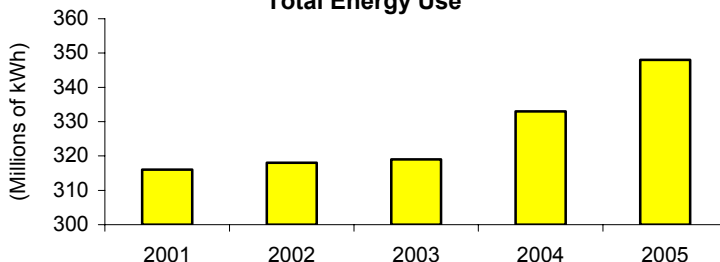
- Submitted permit applications or modified existing permit submissions for 30 new or modified pieces of equipment.
- Received and implemented Title V permit for Cook/Douglass campuses.
- Initiated Title V application process for Newark Campus.

New Brunswick Campus Emissions



Fueling of vehicle with Bio-diesel.

Total Energy Use



Repairing dam at Cream Ridge Farm

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Regulatory Inspections 2005

Month	Agency	Activity	Results
January	NJ DCA	Asbestos Compliance Inspection - Office of TV & Radio	NO VIOLATIONS
February	PEOSHA - DOH	Employee complaint of hazards from renovation work	NO VIOLATIONS
	PEOSHA - DOH	Inspection of Regulated Medical Waste Program	NO VIOLATIONS
March	PEOSHA - DOL	General inspection of Eco-Complex	Citations issued for general safety hazards. All items abated
	US NRC	General Inspection of Rutgers Radioactive Materials Use License	NO VIOLATIONS
	NJ DEP	General Inspection of State Radioactive License	NO VIOLATIONS
	NJ DCA	Asbestos "Occupied Abatement" Compliance Inspection - Armitage Hall	NO VIOLATIONS
April			
May	PEOSHA - DOL	Abatement Contractor Inspection (Worker/Supervisor Certifications) - JB Smith Hall	NO VIOLATIONS
	NJ DCA	Asbestos Compliance Inspection - Woodlawn Mansion	NO VIOLATIONS
	NJ DCA	Asbestos Compliance Inspection - JB Smith Hall	NO VIOLATIONS
	USDA	Inspection of Turf Grass Fields	NO VIOLATIONS
June	NJ DEP	Hazardous waste inspection of the Environmental Storage Building and Busch/Livingston Campuses	NO VIOLATIONS
	NJ DEP	Hazardous waste inspection of Mason Gross School of Arts	NO VIOLATIONS
	NJ DEP	Inspection of radiation producing machines on all New Brunswick campuses	NO VIOLATIONS
July			
August	PEOSHA - DOL	General Inspection - Camden Campus	NO VIOLATIONS
	PEOSHA - DOH	Abatement Contractor Inspection (OSHA Abatement Compliance) - David Sheppard House	NO VIOLATIONS
	PEOSHA - DOL	Abatement Contractor Inspection (Worker/Supervisor Certifications) - David Sheppard House	NO VIOLATIONS
	NJ DCA	Asbestos "Occupied Abatement" Compliance Inspection - Newark CHP	NO VIOLATIONS
	NJ DCA	Asbestos Compliance Inspection - 184 College Ave	NO VIOLATIONS
	NJ DCA	Asbestos Compliance Inspection - David Sheppard House	NO VIOLATIONS
September			
October			
November	PEOSHA - DOH	Employee complaint of hazard from liquid nitrogen	Citation issued for Hazcom training violation. Item abated.
	NJ DCA	Asbestos "Occupied Abatement" Compliance Inspection - Wright Chemistry	NO VIOLATIONS
	NJ DCA	Asbestos "Occupied Abatement" Compliance Inspection - Tillet Hall	NO VIOLATIONS
	NJ DCA	Asbestos Compliance Inspection - CAC CHP	NO VIOLATIONS
December	PEOSHA - DOH	Abatement Contractor Inspection (OSHA Abatement Compliance) - Corwins	NO VIOLATIONS
	PEOSHA - DOL	Abatement Contractor Inspection (Worker/Supervisor Certifications) - Corwins	NO VIOLATIONS

DCA—Dept. of Consumer Affairs
NRC—Nuclear Regulatory Commission

DOH—Dept. of Health
USDA—Dept. of Agriculture

DOL—Dept. of Labor
PEOSHA—Public Employees Occupational Safety & Health Administration

DEP—Dept. of Environmental Protection

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Goals 2006

Rutgers Environmental, Health & Safety Goals 2006

- Continue accident reduction efforts and achieve a 10% improvement in the University incident rate for 2006.
- Continue implementing elements of the Environmental, Health and Safety Management System (EHSMS) including identifying Sustainability indicators, measurements and goals.
- Conduct external audit of Radiation Safety Program and upgrade security measures for materials of concern.
- Enhance Biosafety program by improving protocol database, conducting audits, improving coordination with the Office of Research and Sponsored Programs (ORSP), and revising University Biosafety Guide.
- Continue remediation efforts for Busch groundwater contamination including further delineation of the containment plume and obtaining NJDEP approval to implement remediation application for the Volatile Organic Compound (VOC) contaminants.
- Continue all compliance actions for the EPA Self-Audit agreement.
- Complete and implement Title V permit for Newark Campus.



Passion Puddle on Cook Campus.



Construction of Biomedical Engineering Building on Busch Campus.

Fast Facts for 2005

- Completed **4** Phase-1 and **1** Phase-2 Site Assessments for purchases or transfers of property
- Removed **4** underground storage tanks
- Assisted in the purchase of **16** natural gas vehicles in 9 University departments
- Installed **18** wells and bore holes for the Busch Groundwater investigation
- Submitted **19** air compliance reports to NJDEP & USEPA
- Performed more than **25** plan reviews for new construction or renovation projects
- Performed **25** workplace assessments to address medical restrictions
- Participated in **26** Federal, State and County regulatory inspections
- Audited **27** Class 3b & 4 lasers
- Performed **28** ergonomic evaluations
- Conducted **30** accident investigations for severe or potentially significant incidents
- Completed **35** biosafety level 2 laboratory inspections
- Performed over **44** maintenance shop inspections
- Conducted **48** indoor air quality investigations
- Responded to more than **50** hazardous material incidents
- Conducted **91** x-ray and electron microscope inspections
- Reclaimed **115** gallons of mineral spirits from the Mason Gross School of the Arts
- Trained and fit-tested over **125** employees for respirators
- Completed **223** asbestos abatement projects
- Performed over **240** safety training sessions for over **3000** employees
- Coordinated audiometric testing for **237** employees
- Completed over **333** radiation survey meter calibrations
- Decayed and disposed of approximately **500** gallons of radioactive waste
- Completed **505** radioactive waste pickups
- Minimized **775** gallons of waste photographic chemicals by installing filtration equipment
- Surveyed **920** fume hoods
- Neutralized **921** gallons of corrosive liquid waste
- Conducted over **1,300** laboratory health and safety audits
- Delivered **1,500** packages of radioactive material
- Completed over **1,590** hazardous waste pickups
- Redistributed **1,665** lbs of unwanted chemicals through the Chemical Reuse Program
- Logged over **1,720** online employee training sessions
- Performed **2,400** individual radiation laboratory inspections
- Labeled and mapped over **2,900** storm drain inlets and outlets
- Fuel blending of **5,569** gallons of waste solvents and **600** gallons of waste oil
- Decayed and disposed of over **6,200** lbs of low-level radioactive waste
- Metals recovery of **11,230** pounds of lead acid and NiCad batteries
- Disposed of **90,000** lbs of regulated medical waste
- Disposed of **175,571** lbs of hazardous waste

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