



**UNH Office of Environmental
Health and Safety**

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Solid Waste & Environmental Management Planning Task Force

A G E N D A

August 18, 2005

11:00 AM - 1:00 PM

UNH Holloway Commons, Salmon Falls Room

Lunch will be provided!

- A. Introduce Task Force Members, Staff, and Guests (see Attachment #1) **[11:00 AM - 11:10 AM]**
- B. Review Solid Waste Stream “Significance Criteria” (see Attachment #2) **[11:10 AM - 11:20 AM]**
 - 1. Discuss Scrap Metal Waste Stream
 - 2. Discuss Abandoned Property Waste
- C. Review Solid Waste Stream “Aspects and Impacts” (see Attachment #3) **[11:20 AM - 11:30 AM]**
- D. Solid Waste Streams Updates **[11:30 AM - 11:45 PM]**
 - 1. Radioactive Waste (see Attachment #4)
 - 2. Infectious Waste (see Attachment #5)
 - 3. Chemical Waste (see Attachment #6)
 - 4. Agricultural Waste (see Attachment #7)
 - 5. Universal Waste (see Appendix #8)
 - 6. Storm Water Waste (see Appendix #9)
 - 7. Electronic Waste (see Appendix #10)
 - 8. Construction Waste
 - 9. Abandoned Property Waste
 - 10. Plastic Waste
 - 11. Paper Waste
 - 12. Food Waste
 - 13. Yard Waste
- E. Small Breakout Group Discussions **[Working Lunch: 11:45 PM - 12:55 PM]**
 - 1. Goals and Targets
 - i. 10% reduction based on what index? Should it be a goal based on fiscal years, research dollars, individual/group research, number of PIs/generators, etc.?
 - ii. Other ideas?
 - 2. Factors Influencing Waste Generation Increases and Decreases
 - i. What factors influence the increase or decrease in waste generation?
 - ii. Should PIs/generators be asked to explain increases/decreases in their waste generation?
 - iii. Other ideas?
 - 3. Develop Action Plans and Strategies
- F. Next Meeting (Date/Time) **[12:55 PM - 1:00 PM]**
- G. Adjourn

ATTACHMENT #1 – SOLID WASTE AND ENVIRONMENTAL MANAGEMENT PLANNING TASK FORCE

Core Team Members develop an implement the EMS elements, including aspects and impacts of solid waste activities, compliance review, achieving objectives and targets, and collecting measurement and monitoring data. The Core Team Members include:

Name	Title	Organization
Anthony Berry	<i>Assistant Director</i>	<i>UNH Office of Admissions</i>
Deb Bronson	<i>Associate Director</i>	<i>UNH Computing and Information Services</i>
Pam Campbell	<i>Hazardous Waste Specialist</i>	<i>UNH Office of Environmental Health and Safety</i>
Elizabeth L. Cross	<i>Senior Assistant Director</i>	<i>UNH Office of Admissions</i>
Stephanie D'Agostino	<i>Pollution Prevention Coordinator</i>	<i>State of New Hampshire</i>
Robert Gibson	<i>Laboratory Supervisor</i>	<i>New Hampshire Veterinary Diagnostic Laboratory</i>
David Gillum	<i>Laboratory Safety Officer</i>	<i>UNH Office of Environmental Health and Safety</i>
David Goudreault	<i>Assistant Manager</i>	<i>UNH Greenhouse</i>
Michelle Hayes	<i>Executive Director</i>	<i>UNH Facilities Services</i>
Dwain Lozier	<i>Maintenance Team Lead Worker</i>	<i>UNH Housing</i>
MaryAnne Lustgraaf	<i>Director</i>	<i>UNH Memorial Union Building</i>
Rick MacDonald	<i>Assistant Director</i>	<i>UNH University Hospitality Services</i>
Matt Magnusson	<i>Information Technologist III</i>	<i>UNH Office of Admissions</i>
Brad Manning	<i>Director</i>	<i>UNH Office of Environmental Health and Safety</i>
John McLean	<i>Manager</i>	<i>UNH Farms and Greenhouses</i>
Bob Minicucci	<i>EMS Coordinator</i>	<i>State of New Hampshire</i>
Tom Oxford	<i>Coordinator</i>	<i>UNH Farm Operations</i>
Crescentia True	<i>Assistant Director</i>	<i>UNH Office of Sustainability</i>

Technical Resources serve as advisors for the development and distribution of the EMS. The Technical Resources include:

Name	Title	Organization
Kim Billings	<i>Director</i>	<i>UNH Media Relations</i>
William Conk	<i>Director</i>	<i>UNH Housing</i>
Taylor Eighmy	<i>Director</i>	<i>UNH Recycled Materials Resource Center</i>
Andy Glode	<i>EHS Technician</i>	<i>UNH Office of Environmental Health and Safety</i>
Tom Kelly	<i>Director</i>	<i>UNH Sustainability Programs</i>
Bill Mautz	<i>Professor</i>	<i>UNH Natural Resources</i>
Marty McCrone	<i>Hazardous Waste Coordinator</i>	<i>UNH Office of Environmental Health and Safety</i>

Sponsors serve as the administrative arm of the EMS. A sponsor's role includes appointing core team members, providing guidance to the core team, and providing support. The Sponsors include:

Name	Title	Organization
John Aber	<i>Vice President</i>	<i>UNH Research and Public Service</i>
Terri Winters	<i>Interim Chief Information Officer</i>	<i>UNH Computing and Information Services</i>
Paul Chamberlin	<i>Assistant Vice President</i>	<i>UNH Facilities Services</i>
Candace Corvey	<i>Vice President</i>	<i>UNH Finance and Administration</i>
Joe Klewicki	<i>Dean</i>	<i>UNH College of Engineering and Physical Sciences</i>
Mark Rubinstein	<i>Vice President</i>	<i>UNH Student and Academic Services</i>
Bill Trumble	<i>Associate Dean</i>	<i>UNH College of Life Sciences and Agriculture</i>
Anthony Zizos	<i>Assistant Vice President</i>	<i>UNH Business Affairs</i>

ATTACHMENT #2 – UNH SOLID WASTE STREAM SIGNIFICANCE RANKING CRITERIA

	Current Financial Cost	Potential for Fine/Penalty if Mismanaged	Potential for Harm to the Environmental	Potential for Harm to Public Image	Recycling/Reduction Program in Place	Regulated	Toxicity/Infectivity to Humans	Volume	Feasibility	Potential for Money Saving	TOTALS
Yard Waste	2	1	1	1	1	1	1	2	3	1	14
Food Waste	2	1	2	2	1	1	1	3	3	1	17
Paper	3	1	2	1	1	1	1	4	2	1	17
Plastic	3	1	2	1	1	1	2	3	2	1	17
Abandoned Property Waste	2	1	2	1	3	1	1	3	4	1	19
Construction Waste	3	1	3	2	3	3	2	4	2	2	25
Electronic Waste	4	2	2	2	1	5	1	4	3	2	26
Storm Water Waste	2	4	3	2	1	5	2	3	2	3	27
Universal Waste	3	3	4	1	1	5	1	5	3	4	30
Agricultural Waste	4	2	4	3	3	1	4	5	3	3	32
Chemical Waste	4	5	3	4	1	5	4	2	2	4	34
Infectious Waste	3	2	3	5	3	5	4	3	3	5	36
Radioactive Waste	4	5	5	5	1	5	4	2	3	5	39

KEY/RATING SCALE

Current Financial Cost

- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

Potential for Fine/Penalty if Mismanaged

- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

Potential for Harm to Environment

- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

Potential for Harm to Public Image

- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

Recycling/Reduction Program in Place

- 1 = Yes (Program in place)
- 3 = Program in development
- 5 = No (No program in place)

Regulated

- 5 = Yes
- 3 = Somewhat regulated
- 1 = No

Toxicity/Infectivity to Humans

- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

Volume

- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

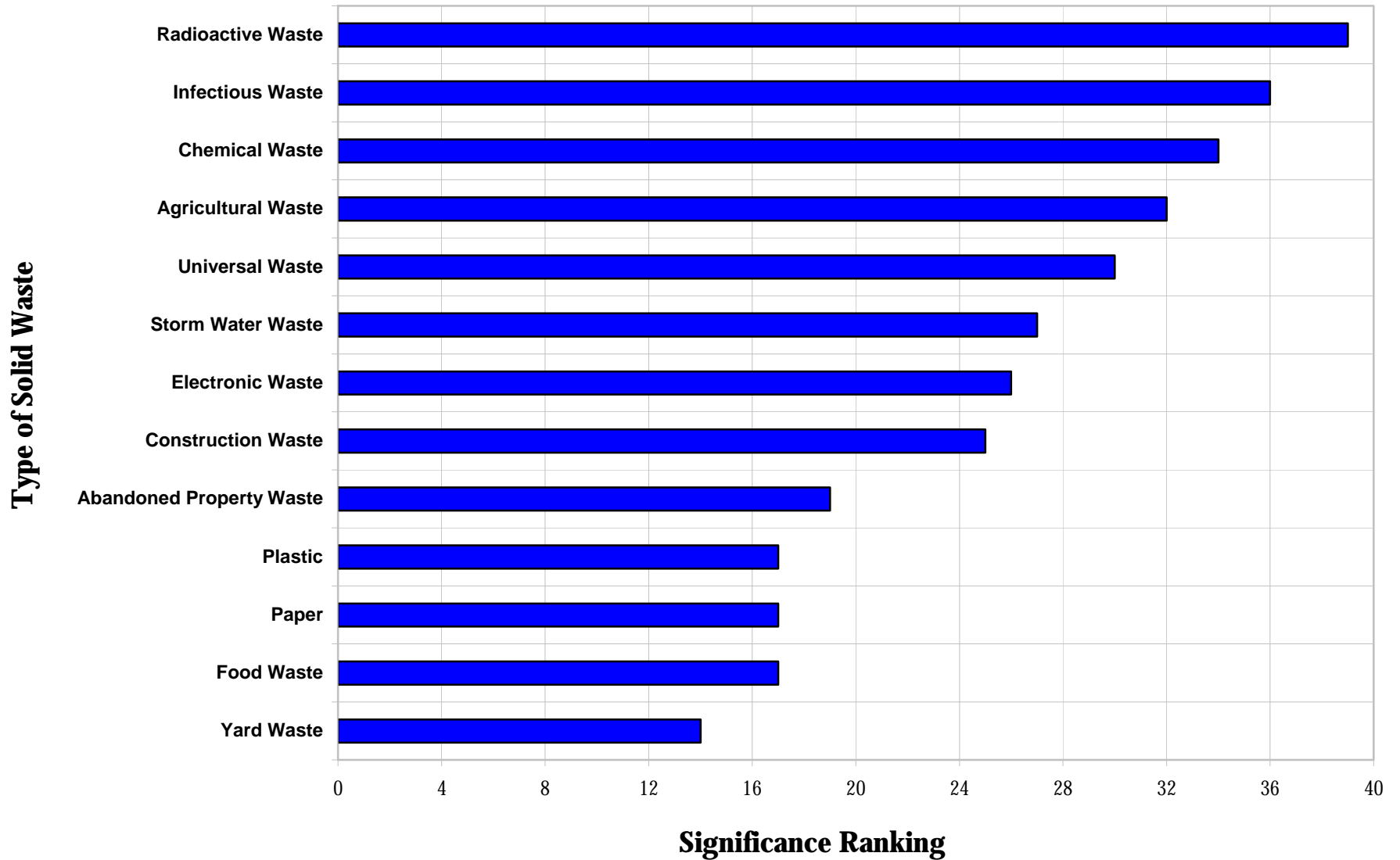
Feasibility

- 1 = Not feasible
- 2 = Might be feasible
- 3 = Somewhat feasible
- 4 = Most likely feasible
- 5 = Feasible

Potential for Saving Money

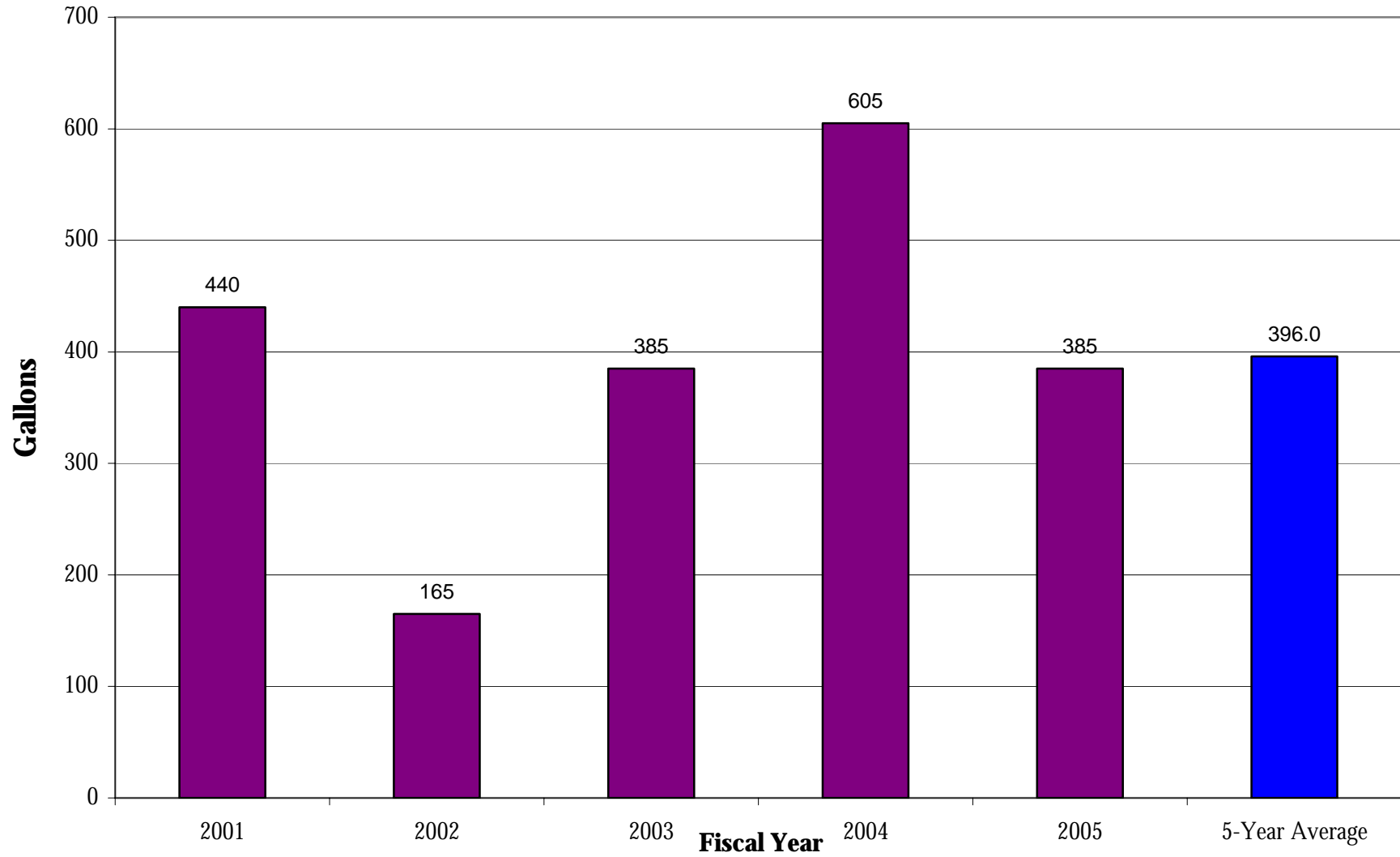
- 1 = None
- 2 = Slight
- 3 = Moderate
- 4 = High
- 5 = Extreme

ATTACHMENT #3 – ASSESSMENT OF THE UNH SOLID WASTE STREAMS (ASPECTS & IMPACTS)



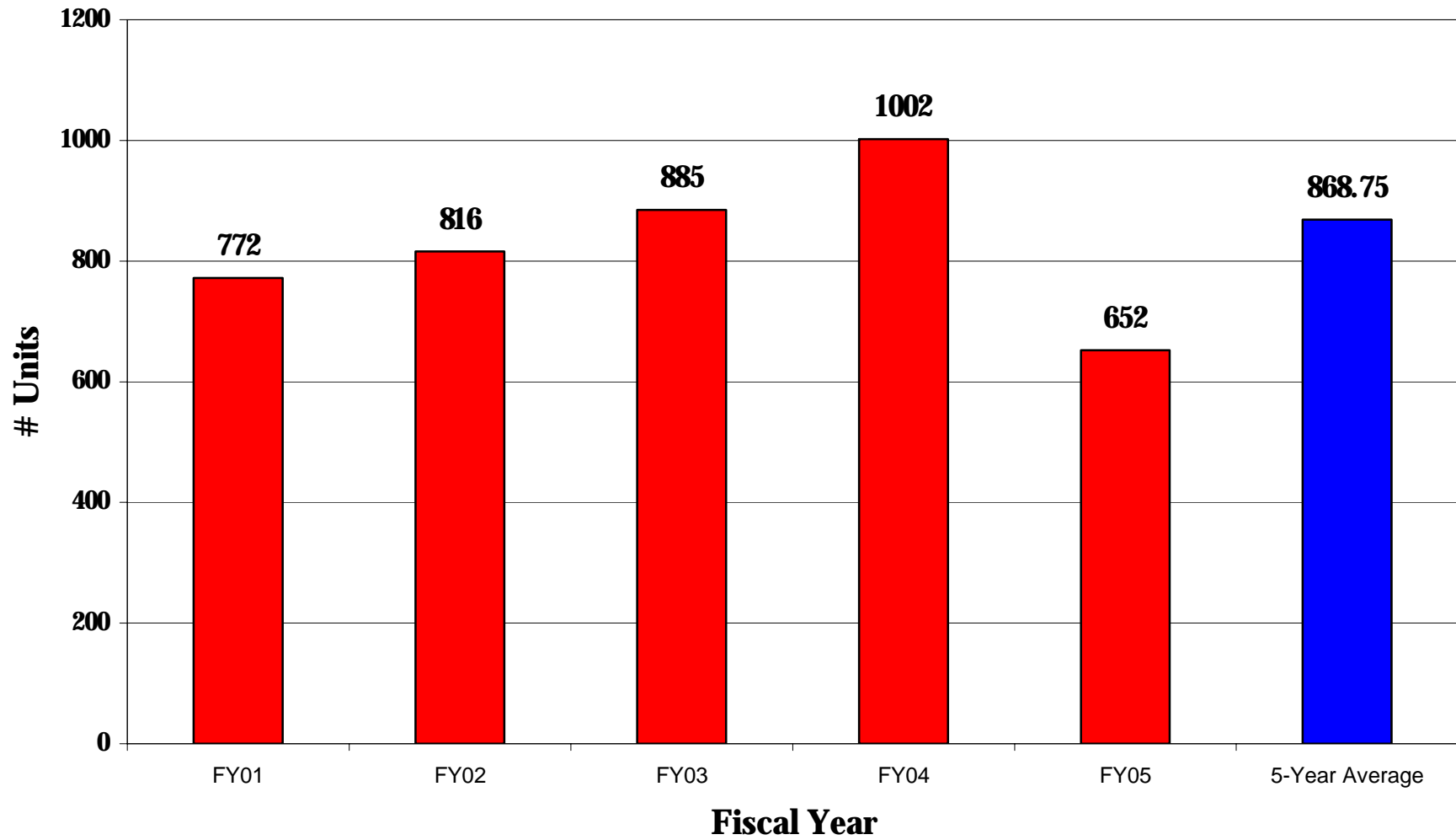
ATTACHMENT #4 – RADIOACTIVE WASTE

FY 01 through FY 05 - Total Radioactive Waste (in Gallons)



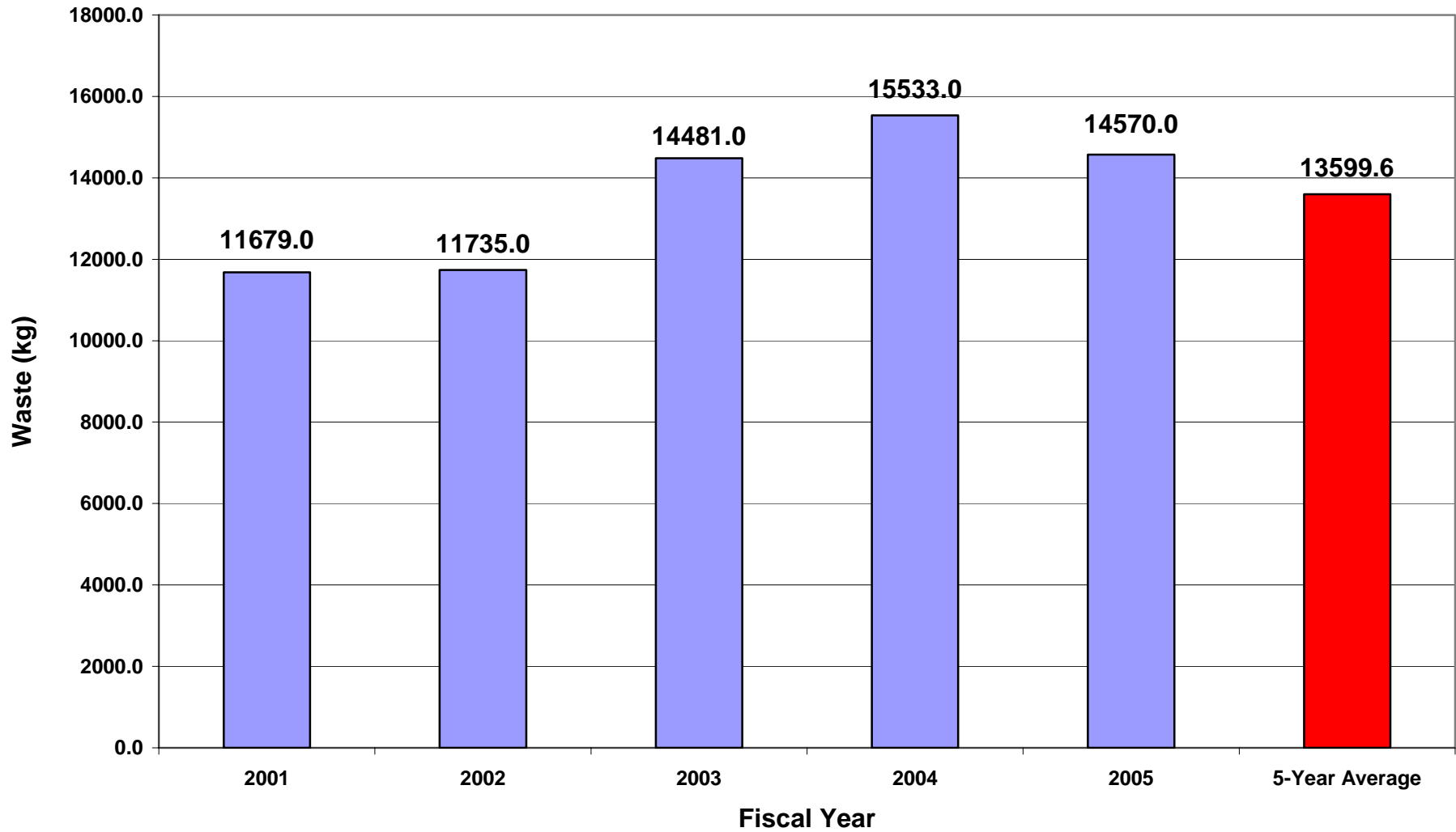
ATTACHMENT #5 – INFECTIOUS WASTE

FY 01 through FY 05 - Total Infectious Waste (in Units Shipped)



ATTACHMENT #6 – CHEMICAL WASTE

FY 01 through FY 05 - Total Chemical Waste (in kg)



ATTACHMENT #7 – AGRICULTURAL WASTE

Locations: Fairchild Dairy Center
Burley-Demeritt Farm
Equine Facility

Estimated Total Volumes:

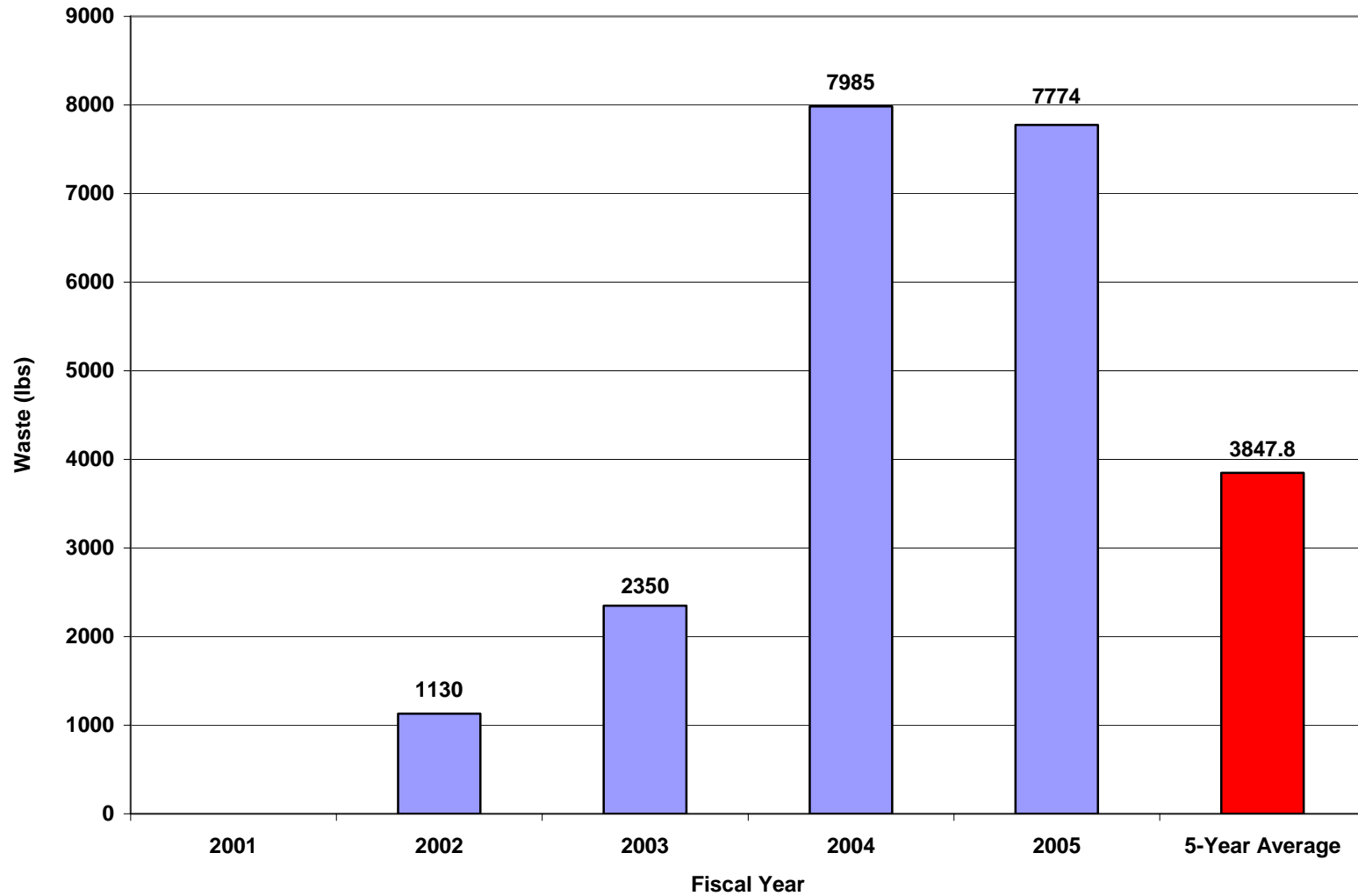
Liquid Manure: 1.6 millions gallons/year
Solid Manure: 1500 cubic yards
Spoiled Feed: 200 cubic yards
Scrap Metal: 2 tons
Carcasses: 8 tons
Miscellaneous: 20 cubic yards (includes feed bags, baling twine, plastic, etc.)

Current Usage/Disposal:

- All of the liquid manure is applied to the land as fertilizer.
- Some of the solids are taken to the compost facility in Madbury and used in compost and the rest is spread to the land.
- The cow and calf carcasses are composted at the Burley-Demeritt Farm and the swine carcasses are picked up by Commodities, a rendering company.
- Used oil and antifreeze is recycled at the UNH Garage.
- Construction waste is put into dumpsters for land fill.

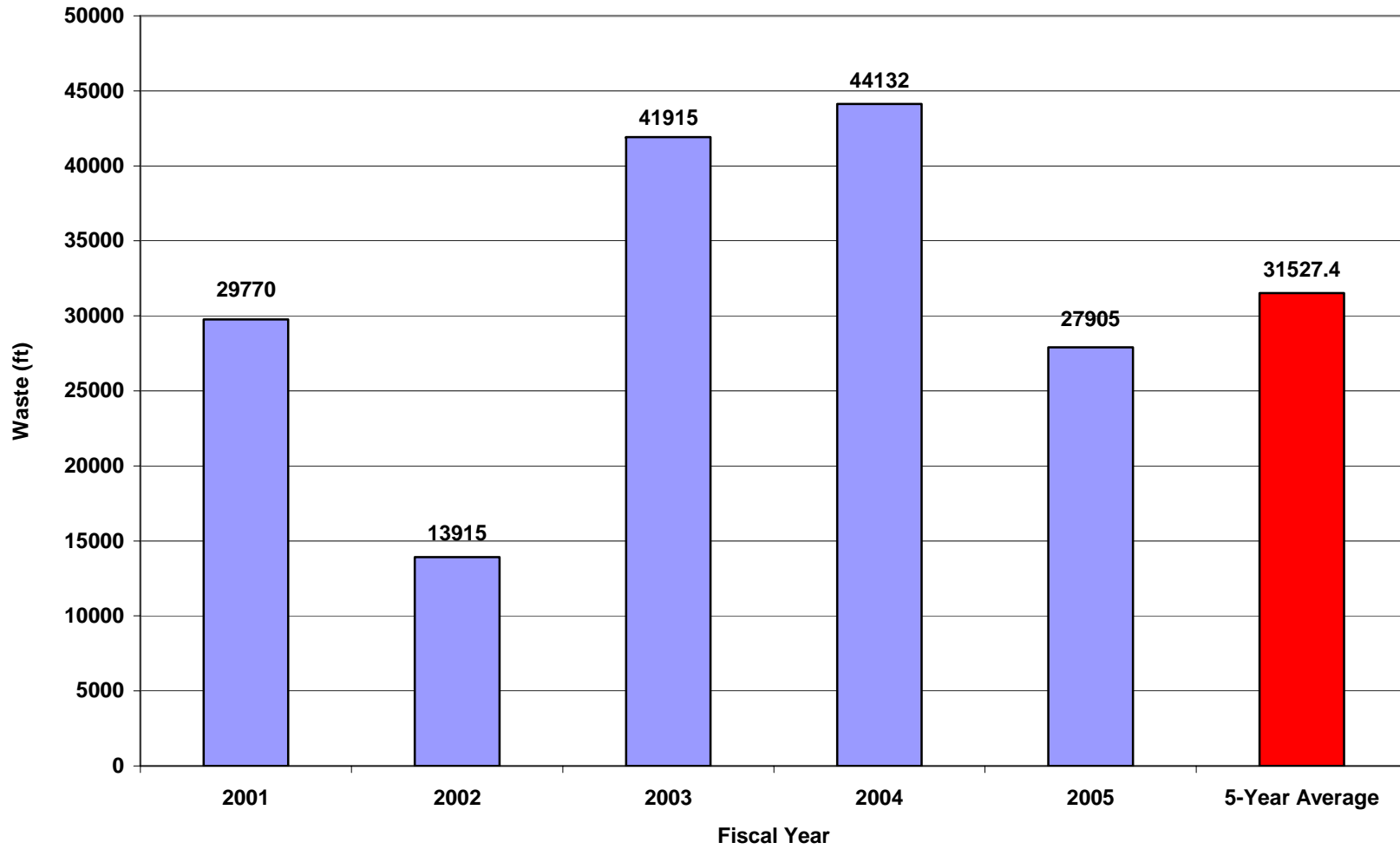
ATTACHMENT #8A – UNIVERSAL WASTE

FY'01 through FY'05 - *Lead Acid Battery Waste* (in pounds)



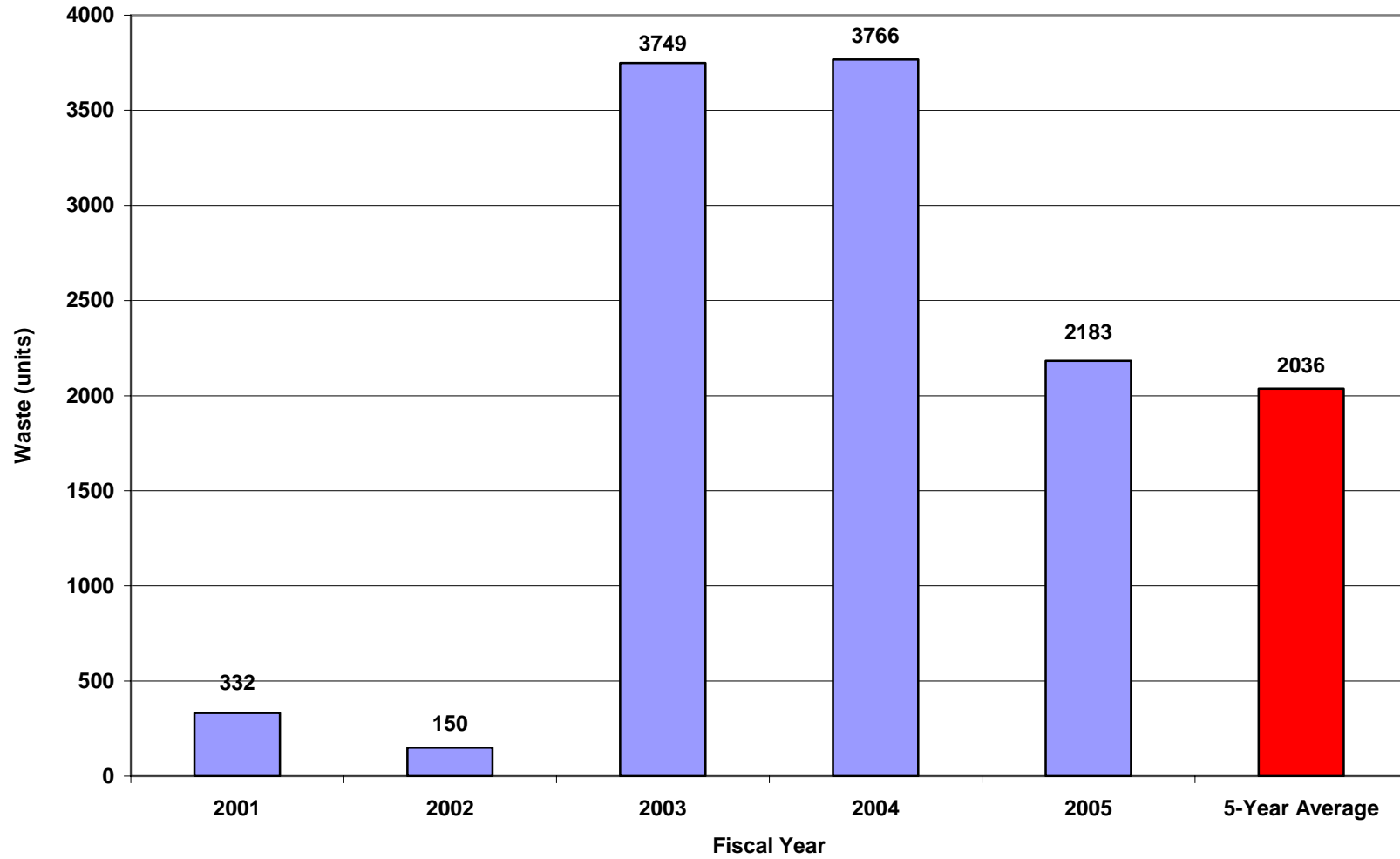
ATTACHMENT #8B – UNIVERSAL WASTE

FY'01 through FY'05 - *Straight Fluorescent Lamp Waste* (in Linear Feet)



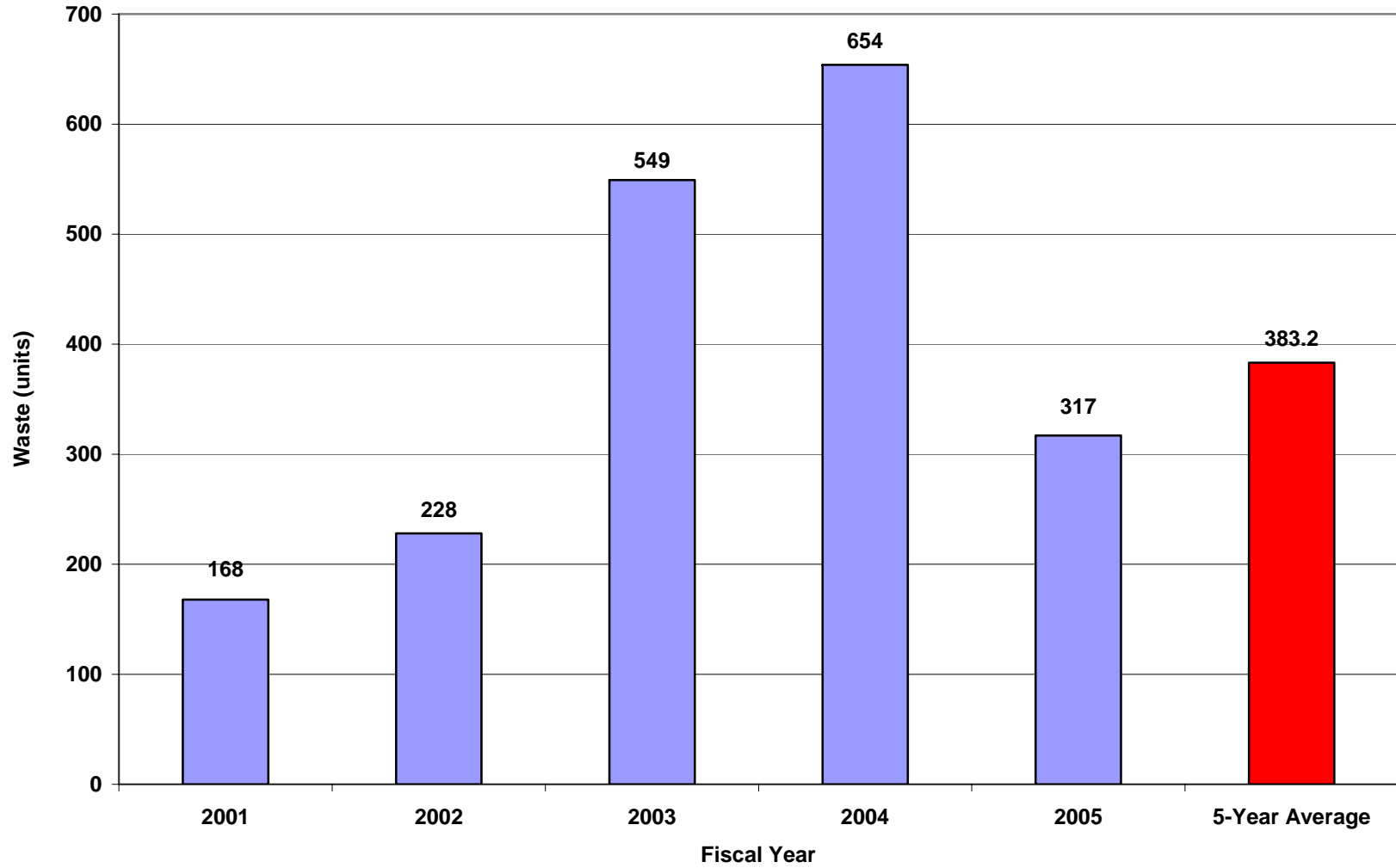
ATTACHMENT #8C – UNIVERSAL WASTE

FY'01 through FY'05 - *Compact Lamp Waste* (in Units Shipped)



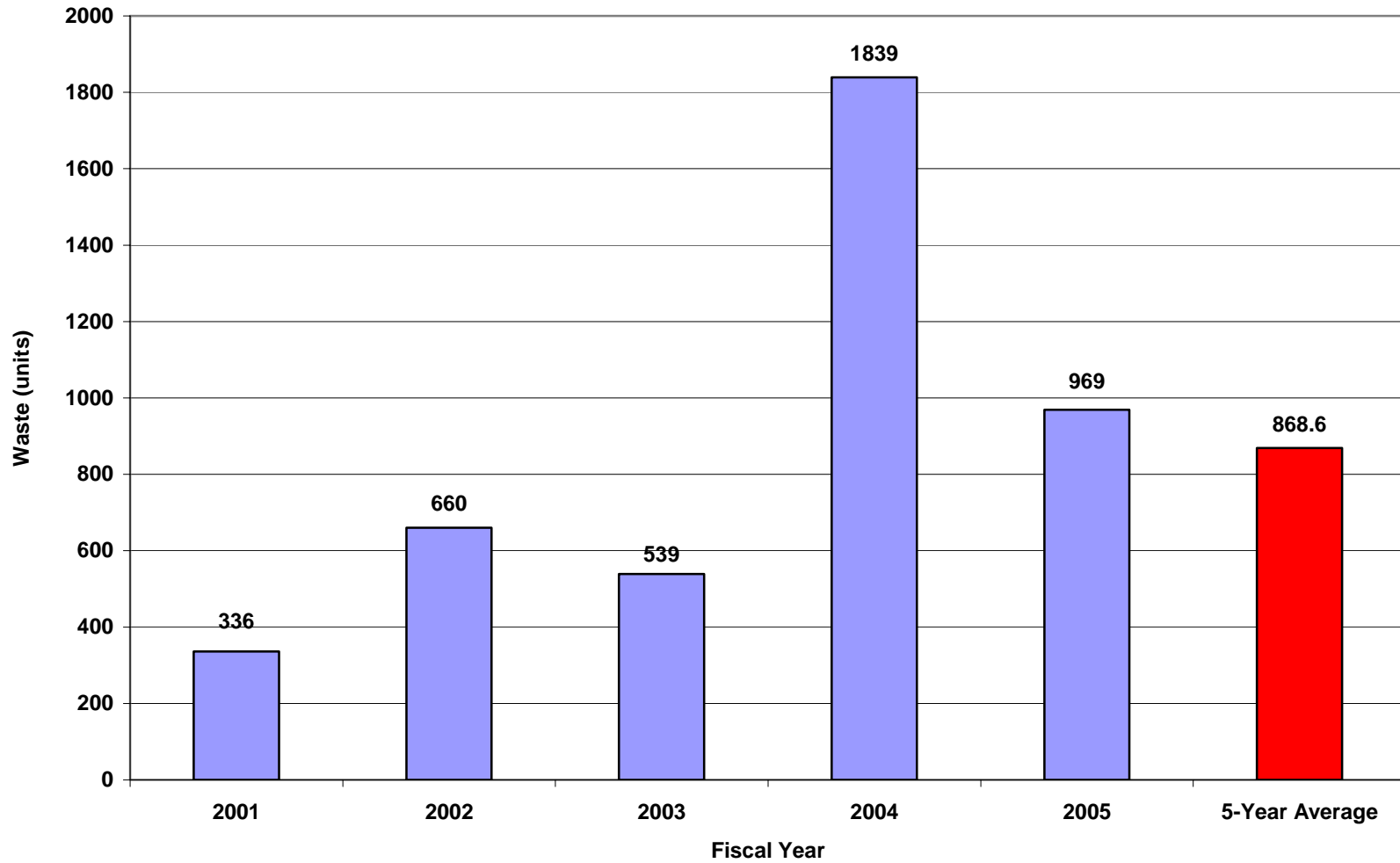
ATTACHMENT #8D - UNIVERSAL WASTE

FY'01 through FY'05 - *Circular Lamp Waste* (in Units Shipped)



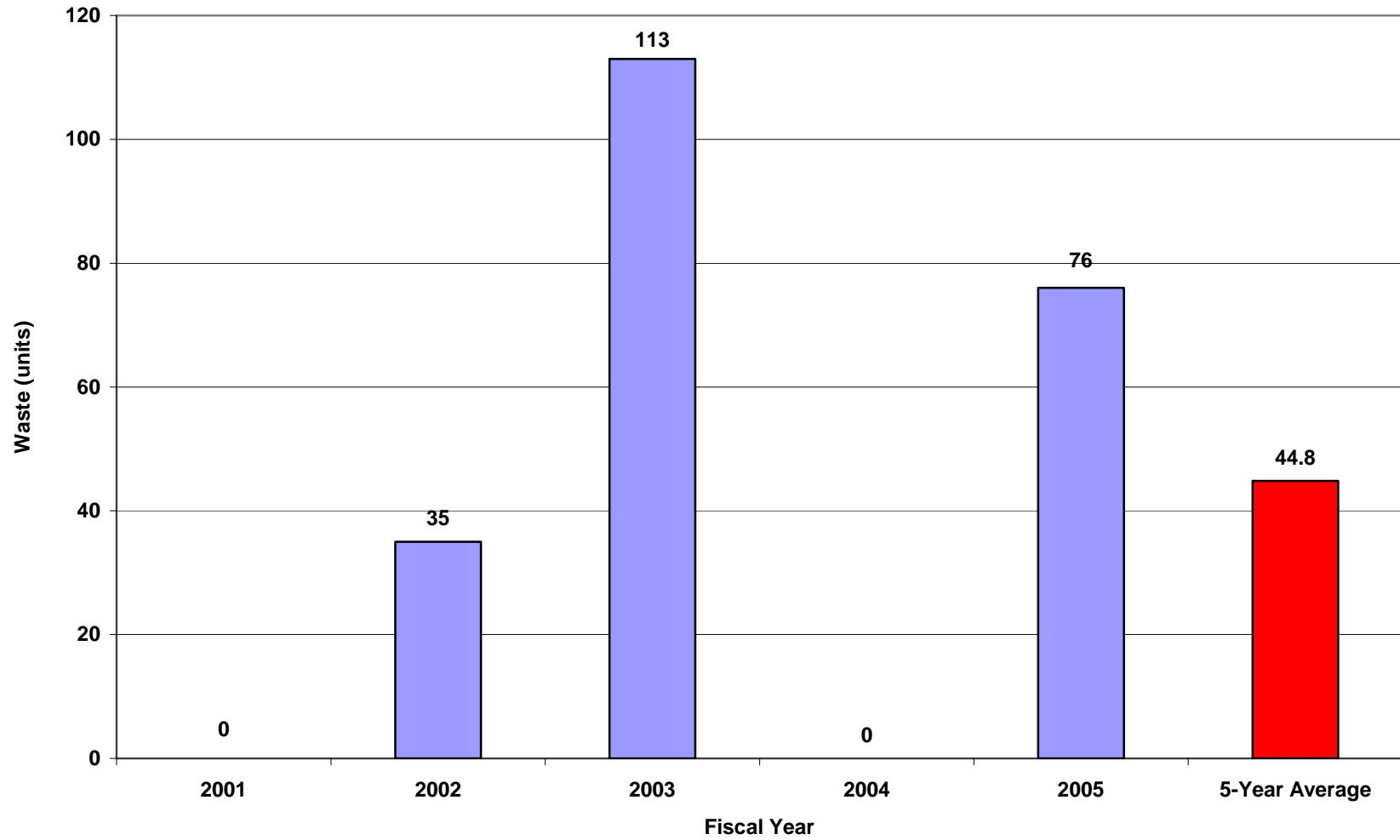
ATTACHMENT #8E - UNIVERSAL WASTE

FY'01 through FY'05 - *U-Tube Lamp Waste* (in Units Shipped)



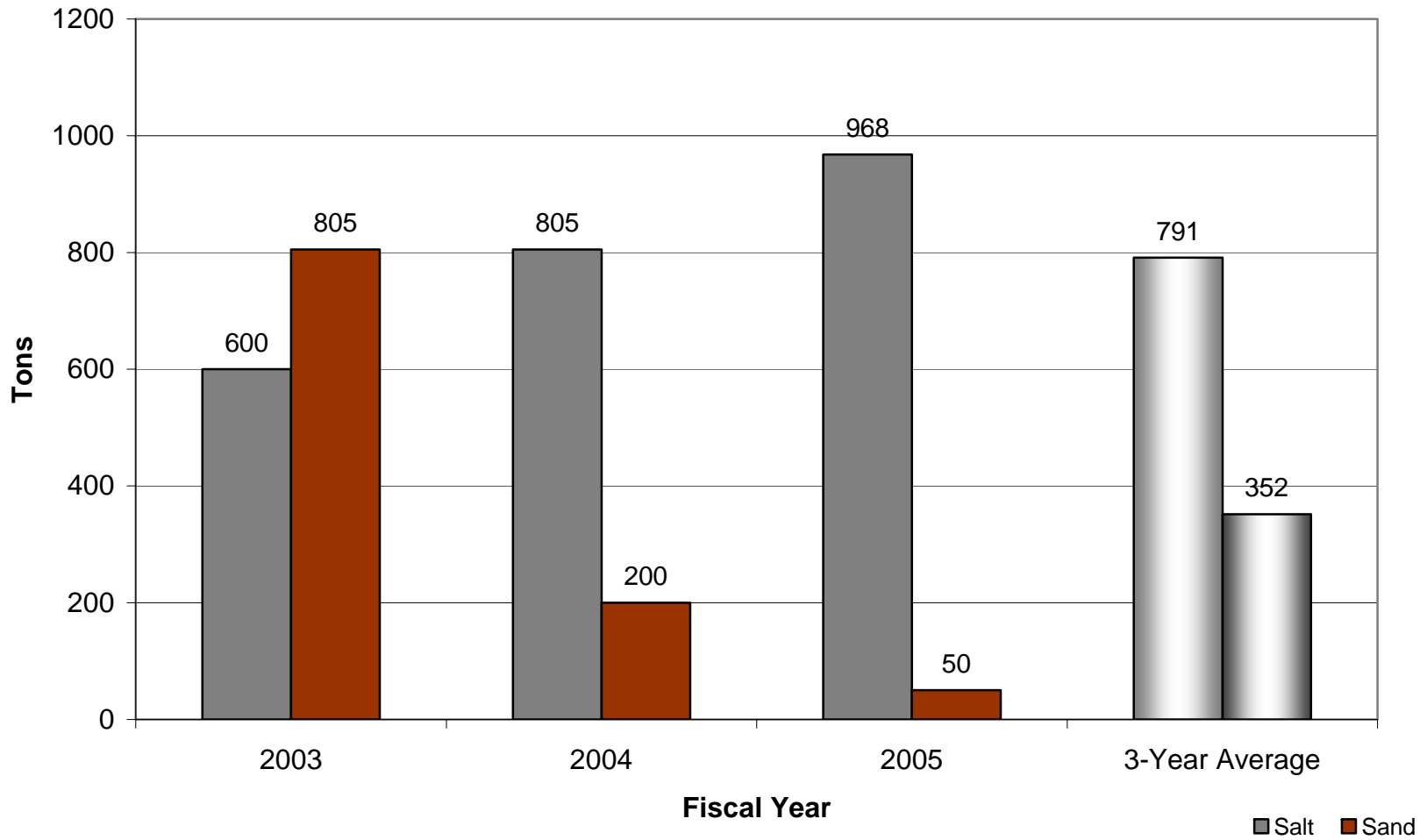
ATTACHMENT #8F – UNIVERSAL WASTE

FY'01 through FY'05 - HID Lamp Waste (in Units Shipped)



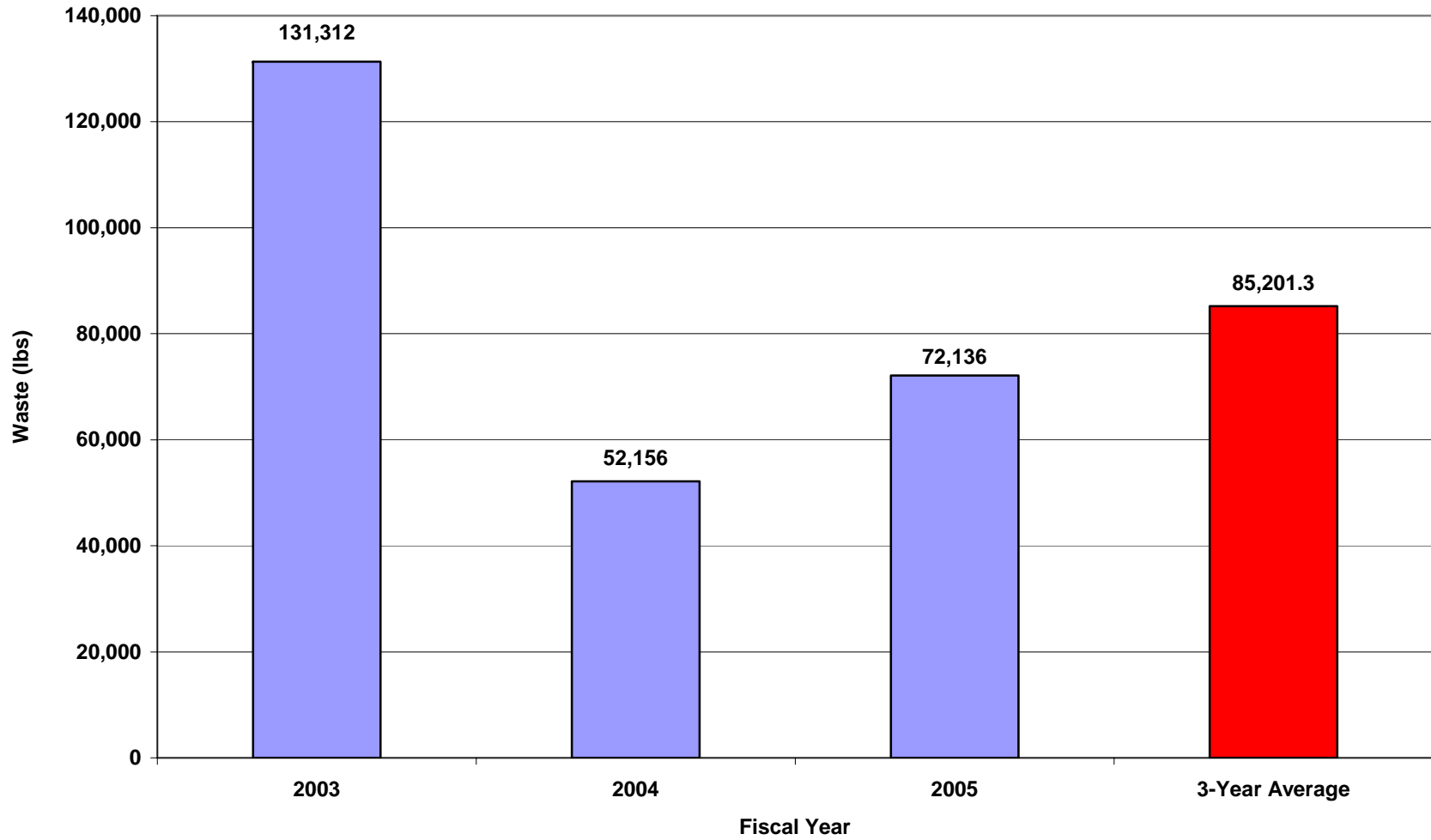
ATTACHMENT #9 – STORM WATER WASTE

FY'03 through FY'05: Storm Water Waste (in Tons)



ATTACHMENT #10 – ELECTRONIC WASTE

FY'03 through FY'05 - *Electronic Waste* (in Pounds)



ATTACHMENT #11 – RECYCLING WASTE

FY'03 through FY'05: *Recycled Materials* (in Tons)

