



**Solid Waste Authority of Palm
Beach County**

Final Material Separation Plan

July 2009

3582056

INDEPENDENT ENVIRONMENTAL ENGINEERS, SCIENTISTS AND CONSULTANTS

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Materials Separation Plan

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List of Acronyms

Act	Solid Waste Act
Authority	Solid Waste Authority of Palm Beach County
C&D	Construction and Demolition
CESQG	Conditionally Exempt Small Quantity Generator Program
County	Palm Beach County
FDEP	Florida Department of Environmental Protection
HHW	Household Hazardous Waste
ISWMP	Integrated Solid Waste Management Plan
MRF	Material Recovery Facility
MSW	Municipal Solid Waste
NCRRF	North County Resource Recovery Facility (Existing Renewable Energy Facility)
Proposed Facility	Proposed New Renewable Energy Facility #2, a 3,000 tpd mass burn waste-to-energy (WTE) facility
RBRC	Rechargeable Battery Recycling Corporation
System	Municipal Solid Waste System
Tpd	Tons per day
Tpy	Tons per year
WTE	Waste-To-Energy

1. Introduction

1.1. Purpose

The Solid Waste Authority (Authority) of Palm Beach County (County) intends to develop on the Authority's existing property the Palm Beach Renewable Energy Facility #2, a 3,000 tpd mass burn waste-to-energy (WTE) facility (Proposed Facility). This Materials Separation Plan is prepared by the Authority to satisfy the requirements set forth in 40 CFR 60.57 b, which applies to the development of a WTE facility.

1.2. Background

In 2006, the Authority updated its comprehensive Integrated Solid Waste Management Plan (ISWM Plan) with the principal goals of reducing the amount of waste placed in landfills for disposal and the conservation of landfill space as a result of effective integrated solid waste management operations. Under the ISWM Plan, the Authority manages solid waste through a combination of techniques and programs which recognize that municipal solid waste (MSW) is made up of distinct components that should be managed separately. In this Materials Separation Plan, the Authority explains how it addresses material separation as part of the Authority's overall integrated solid waste management program.

The Authority implements the provisions of the ISWM Plan through an award-winning, integrated, municipal solid waste management system (the System) that combines recycling, composting, converting waste to energy through combustion, and landfilling to effectively manage the County's waste. The System implements the provisions of the ISWM Plan and integrates solid waste transportation, processing, recycling, resource recovery and disposal technologies while protecting the environment and achieving the Authority's 50 percent (50%) recycling waste reduction goal. A more detailed description of the Authority's System is provided in Sections 2 and 3 of this Materials Separation Plan, which highlights the initiatives implemented by the Authority.

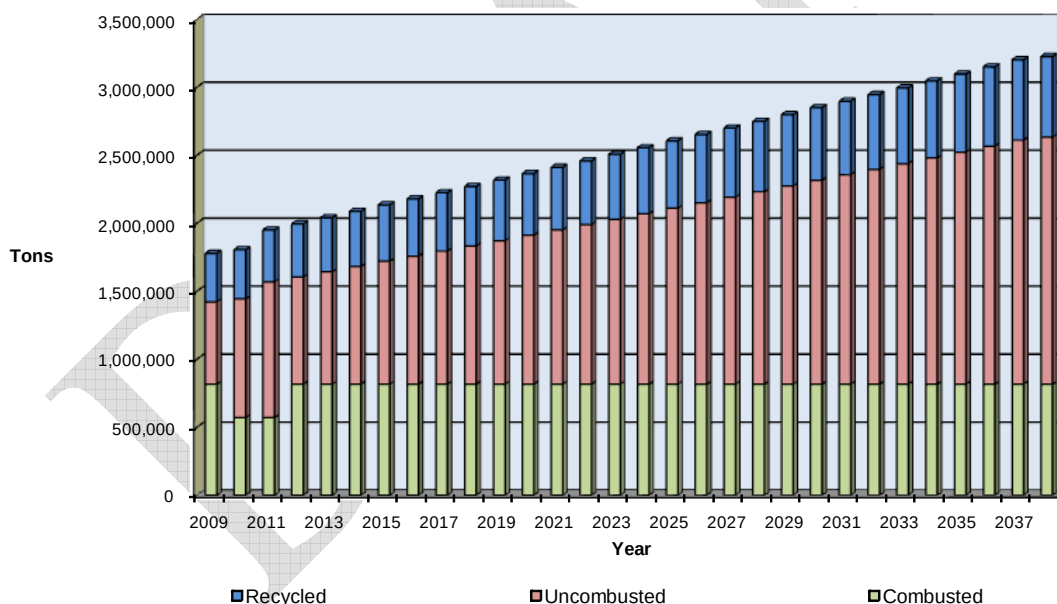
The Authority's existing renewable energy facility, the North County Resource Recovery Facility (NCRRF), has been operational since 1989 and has a rated capacity of 624,000 tons-per-year (tpy). However, over the past 10 years, the NCRRF has frequently processed more than 800,000 tpy of waste. In addition, nearly 500,000 tpy of combustible waste is landfilled because the capacity of the NCRRF has been exceeded. Due to the growing need for additional capacity as a result of recent and projected increases in the County's population, the Authority seeks to develop a 3,000 tpd

Proposed Facility to increase the Authority's capacity to process combustible waste and minimize landfilling of MSW.

In 2008, the population of Palm Beach County was approximately 1,294,654. The population is projected to increase to 1,879,400 by 2030. Constructing the 3,000 tpd Proposed Facility will allow the Authority to increase overall waste processing capacity by approximately 985,000 tons per year (tpy) of MSW to address the increased MSW generation associated with the growing population. In addition, the Proposed Facility will extend the life of the Authority's existing and future Class I landfill.

Figure 1-1 (Waste Disposition-Current System Capacity) depicts the Authority's MSW processing capacity if the Authority continues to rely solely on the current combustion capacity of the NCRRF.

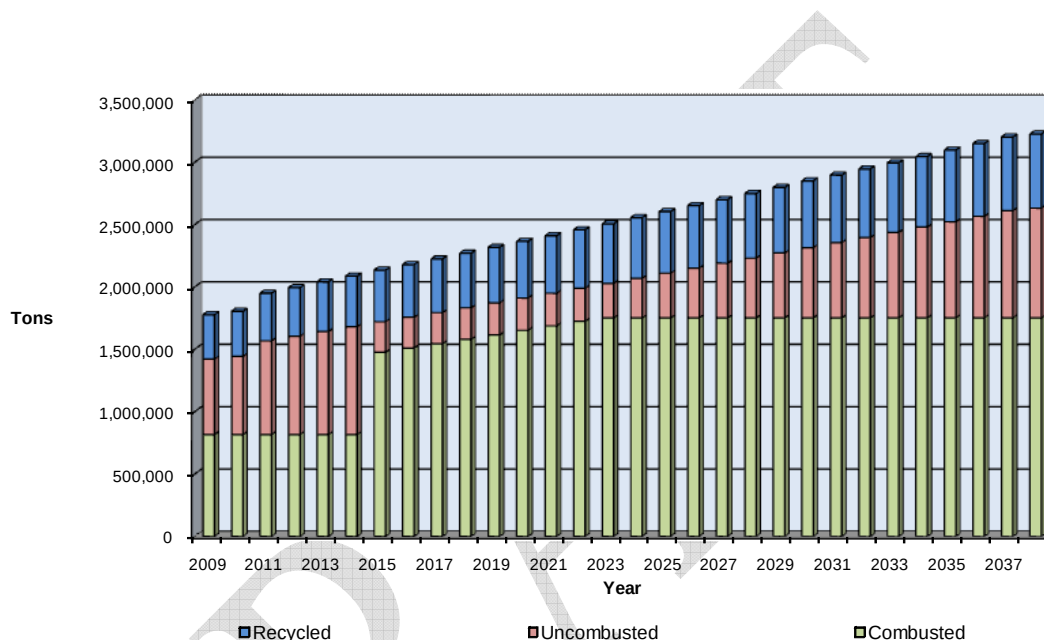
Figure 1-1: Waste Disposition -- Current System Capacity



Source: Landfill Depletion Model 2009

Figure 1-2 (Waste Disposition – Future System Capacity with Proposed Facility Operational in 2015) depicts the Authority’s MSW processing capacity if the Proposed Facility becomes operational in 2015.

**Figure 1-2: Waste Disposition -- Future System
Capacity with Proposed Renewable Energy Facility Operational in 2015**



Source: Landfill Depletion Model 2009

Despite the Authority’s comprehensive recycling program, the amount of solid waste the Authority delivers to the NCRRF has increased since the NCRRF began operation in 1989. The rated capacity of the NCRRF is 624,000 tpy; however (excluding FY 2005-2006 which was impacted by a fire at the plant), the NCRRF has processed more than 800,000 tons of waste per year every year since FY 1996-1997. In FY 2007-2008, the NCRRF processed 858,511 tons. Current population projections for the County suggest that the amount of processible waste generated in the County will continue to increase.

Ash residue is consistent with the Authority’s ash reuse plan and any unprocessable waste is disposed of in accordance with the Authority’s landfill plan. The estimated landfill depletion dates for the Class I and Class III landfills in the County are 2026 and 2015, respectively. If the Authority placed Class III waste in the Class I landfill after 2015, the final depletion of the Class I landfill is expected to take place in 2024. In addition, the Authority is currently in the planning and siting process for a Class I landfill to dispose of the ash from the Proposed Facility and portions of the solid waste not handled by the System. The Authority evaluated multiple options for future solid waste management and

determined that the Proposed Facility is an essential component for the Authority's ISWM Plan. The Authority plans to enhance its recycling program, construct the Proposed Facility, and construct a new Class I Landfill as part of its integrated plan for the management of the County's growing waste stream.

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2. Solid Waste Management System Summary

2.1. Description of the Solid Waste Authority

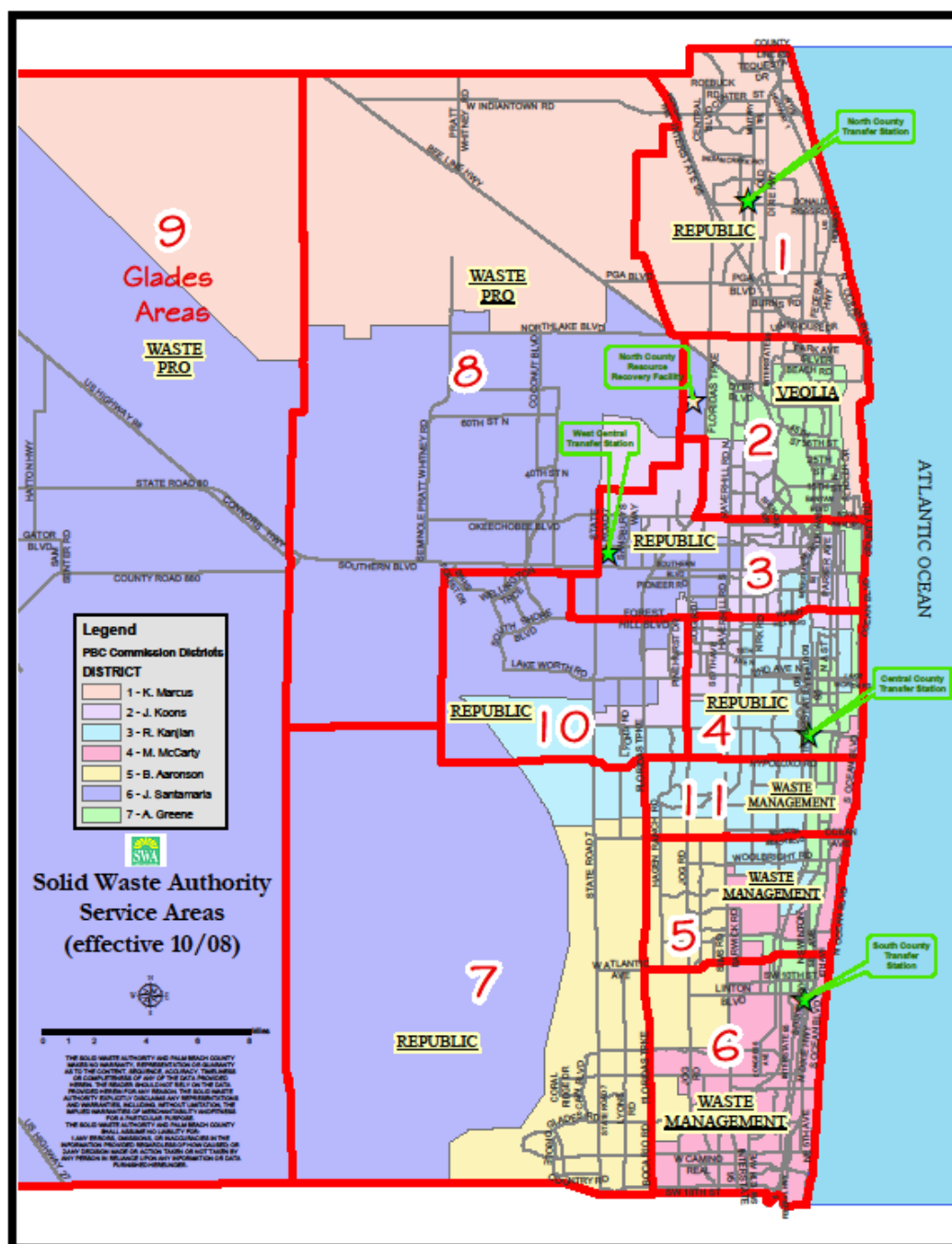
The Authority is the governmental agency responsible for providing an economical and environmentally-sound solid waste management system for Palm Beach County, Florida. The Authority was established as an independent special taxing district under the Palm Beach County Solid Waste Act, Chapter 75-473, Laws of Florida, Special Acts of 1975, as amended and supplemented (Act). The Act was amended in 1991, converting the Authority to a dependent special district, with the County Commissioners of Palm Beach County serving as the governing Board of the Authority. In 2001, the Special Act was “codified”, incorporating all past amendment into a new “Special Act”, abolishing all past acts such that the Authority is now operating under “Chapter 2001-331 Laws of Florida”.

Among other specific purposes and powers, the Act gives the Authority the power to construct and operate solid waste disposal facilities, including resource recovery facilities. The Authority has the responsibility for collection of solid waste in the unincorporated areas of the County, as well as responsibility for recycling and solid waste disposal in unincorporated and certain municipal areas of the County.

2.2. Solid Waste System Service Area

Using its own employees, the Authority provides solid waste disposal and recycling services and programs to the County's 1.4 million residents and businesses. The Authority also provides solid waste and recycling collection services to the residents and businesses in unincorporated Palm Beach County by using private haulers under exclusive franchise agreements. The unincorporated area of the County is divided into eleven service areas, each of which is designated to one of the haulers that have an exclusive right to provide collection services in their respective service areas. Similarly, all of the municipalities within the incorporated area of the County have solid waste collection agreements. The Authority has interlocal agreements with their municipal partners to deliver their residential solid waste, recyclable materials, and commercial solid waste to facilities designated by the Solid Waste Authority. The unincorporated area and the eleven service areas are depicted in Figure 2-1.

**Figure 2-1: Solid Waste and Recycling Collection Service Areas
(Unincorporated Palm Beach County)**



2.3. Solid Waste System Agreements

The Authority's success in managing the County's waste stream is due in part to its solid waste system agreements. The Authority has entered into a number of agreements that have enabled the Authority to provide an economical and environmentally-sound System of integrated solid waste management services. These agreements include:

- **Solid Waste Authority/Palm Beach County Agreement** – Responsibility and authority over all County landfill facilities was transferred to the Authority effective October 1, 1983.
- **Board of County Commissioners/Solid Waste Authority Interlocal Agreement** – Responsibility for programs relating to solid waste management was transferred from the Board of County Commissioners to the Authority.
- **Four Franchise Haulers (11 Franchise Service Areas)** – Responsibility for solid waste and recycling collection in the unincorporated area of the County is managed pursuant to exclusive agreements. A list of the current contractors are listed below and in Figure 2-1:
 1. Waste Pro
 2. Republic
 3. Veolia
 4. Waste Management
- **Construction and Demolition Debris (Permitted Roll-Off Haulers)** – Residents and businesses within the unincorporated area of Palm Beach County may contract with permitted roll-off haulers to properly dispose of construction and demolition debris. A list of current permitted haulers is presented below:

Al's Excavating	Republic Services
FSR Transporting and Crane Services, Inc.	Talk Trash, Inc.
Henderson's Sani-Service Systems, Inc.	Tidy Coast Containers
Veolia Environmental Services	WM Inc. of Florida
Rite-Way Recycling	Waste Pro of Florida, Inc.
Southern Waste Systems, LLC.	World Waste Services

The names, addresses, and contact information for these haulers are provided on the Authority's website (www.swa.org) for resident and business access in order to prevent improper disposal of construction debris.

- **Interlocal Agreements** – Interlocal agreements are executed with municipal partners in Palm Beach County that wish to have the Authority provide a comprehensive environmental solid waste disposal and recycling plan. Currently, the Authority has interlocal agreements with 33 of 38 municipalities as listed below:

Atlantis	Gulf Stream	Lake Park	Palm Beach
Belle Glade	Haverhill	Lantana	Palm Beach Gardens
Boynton Beach	Highland Beach	Loxahatchee Groves	Palm Beach Shores
Briny Breezes	Hypoluxo	Manalapan	Palm Springs
Cloud Lake	Juno Beach	Mangonia Park	Royal Palm Beach
Glen Ridge	Jupiter	North Palm Beach	South Bay
Golf	Jupiter Inlet Colony	Ocean Ridge	South Palm Beach
Greenacres	Lake Clarke Shores	Pahokee	Tequesta
Wellington			

A copy of the standard interlocal agreement is provided in Attachment 2.

2.4. Solid Waste System Components

The Authority has built a system of facilities that combines recycling, composting, converting waste to energy through combustion, and landfilling to manage the MSW and accomplish its material separation goals. The Authority's System includes the following facilities:

- A Commercial Materials Recycling Facility
- A Compost Facility
- A Ferrous Processing Facility
- A Residential Materials Recycling Facility
- A Household Hazardous Waste Facility
- North County Resource Recovery Facility
- The North County Landfill
- Five Transfer Stations for Class I Waste (garbage)
- A Woody Waste Recycling Facility
- C&D debris and yard trash disposal facilities
- A Regional Wastewater Residuals (sludge) Pelletizing Facility

2.5. Solid Waste and Recyclable Material Quantities

The Authority emphasizes the conservation of resources by diverting materials from solid waste disposal facilities through recycling, reuse, and reduction. As a leader in the recycling industry, the Authority's award winning recycling program has been recognized for excellence by associations such as the Solid Waste Association of North America and Recycle Florida Today. Since the inception of the recycling program, the Authority has recycled more than two million tons of residential and commercial material that otherwise would have been landfilled. In calendar year 2006, the Authority received 2,029,454 tons of solid waste of which 554,085 tons were recycled, as reported by the Florida Department of Environmental Protection (FDEP). It should be noted that the information provided by the FDEP does not include construction and demolition (C&D) recycling quantities. Table 2-2 presents the recycling rates calculated by FDEP, as well as the recycling rates when construction and demolition debris is included, for the years 2003 through 2006.

**Table 2-1.
Palm Beach County Recycling Rates**

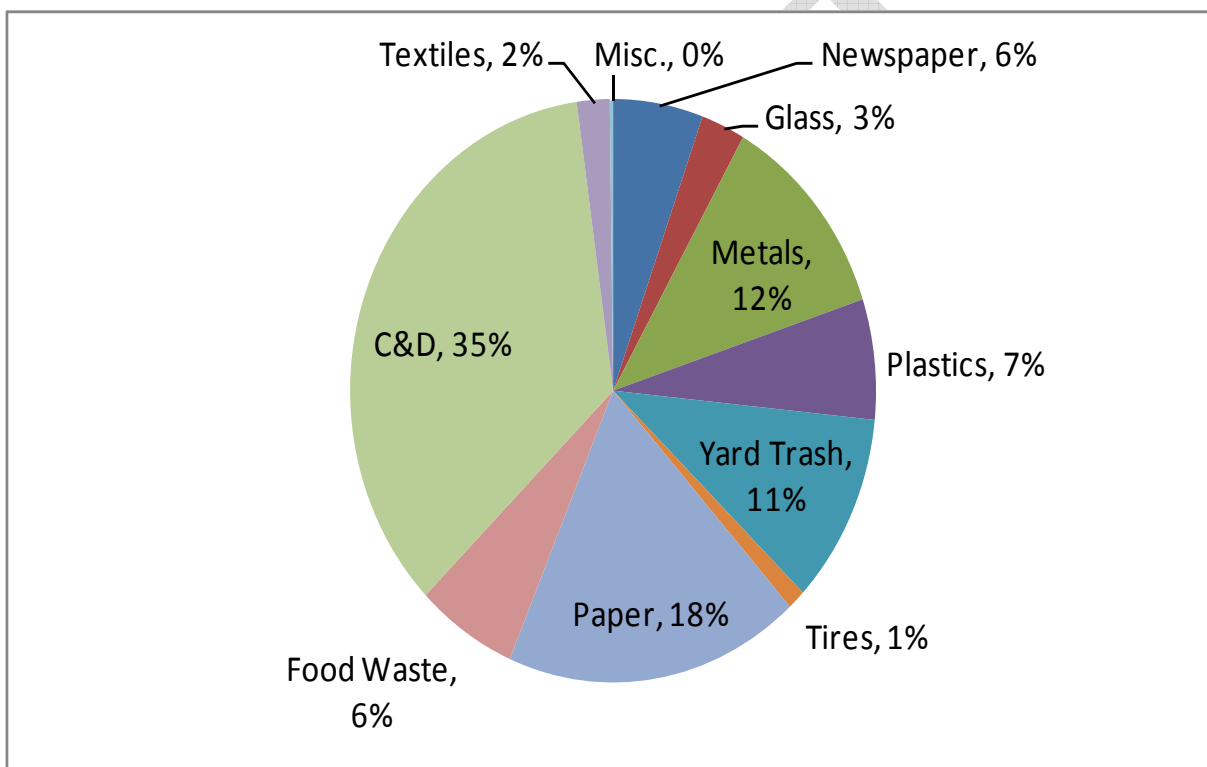
Year	FDEP Recycling Rate	Recycling Rate including C&D	Tons/ capita disposed
2003	33%	51%	1.03
2004	33%	43%	1.13
2005	29%	46%	1.15
2006	27%	43%	1.15
2007	36%	50%	1.02

Note: 2008 data is not available as the FDEP is currently compiling this information.

Table 2-1 demonstrates that the Authority usually meets or exceeds the state recycling goal of 30%. The Authority also strives for a 50% waste reduction goal, which includes materials recycled as well as reported C&D materials. The years the Authority did not reach their 50% waste reduction goal is attributed to hurricane and disaster relief efforts for Hurricanes Wilma, Francis and Jeanne between the years 2004 and 2005. During these years, there was an increased amount of garbage due to disaster conditions, and much of the material was disposed of without taking the extra time to separate recyclable materials. Permitted C&D facilities must report the amount of materials they recycle, however, only municipal waste is counted. Ten percent of the total tonnage reported is deducted as "non-MSW-C&D", even though the material could be counted as recycled materials to meet the Authority's 50% goal. This inconsistent reporting of C&D tonnages may have contributed to the lower recycling rate during some years.

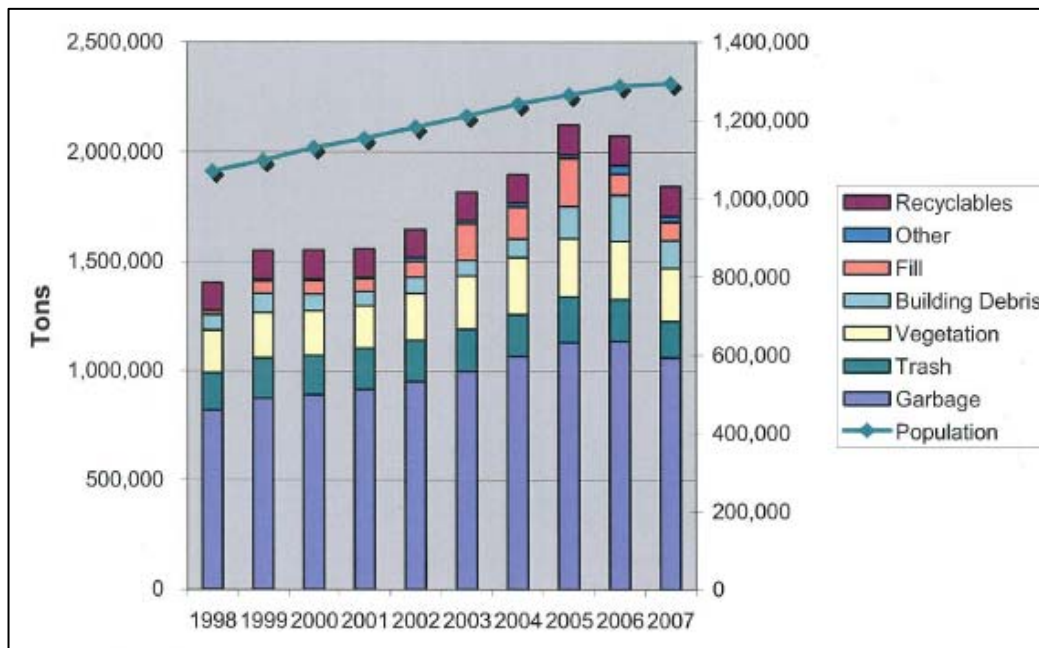
The population of the County has increased 12 percent during the years of 2001-2006. The five-year trend in solid waste generation, collection and disposal in the County has similarly increased by 10 percent. As reported by the FDEP (not including C&D quantities), in 2006 27 percent of the solid waste generated and managed in the County was recycled, 50 percent was landfilled and 23 percent was combusted. Figures 2.3 – 2.4 illustrate the composition, quantities and management of solid waste in the County in 2006.

Figure 2-2: Municipal Solid Waste Composition¹



¹ Some materials have been combined: Metals include Aluminum Cans, Steel Cans, Ferrous and Non-ferrous metals, and White Goods; Paper includes Corrugated, Office and Other Paper; and Plastics include Plastic bottles and other plastics.

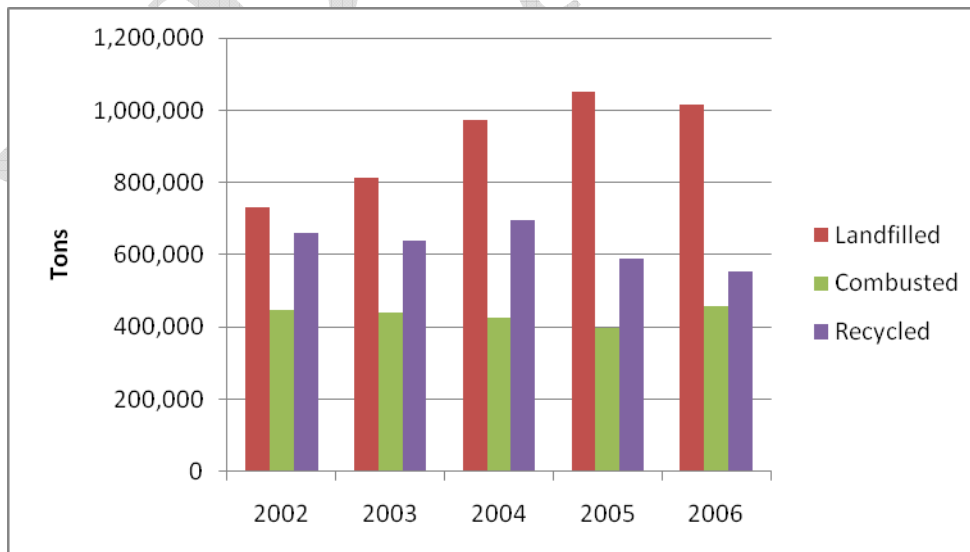
Figure 2-3: Historical Waste Receipts



Source: Landfill Depletion Model 2008

The historical recycling quantities of solid waste specifically managed by the Authority are depicted below:

Figure 2-4: Historical Municipal Solid Waste Management Only (not including C&D)



Source: FDEP Solid Waste Management Data

Although the recycling and separation program continues to improve, the System will need to be expanded to handle the additional non-recyclable materials projected to be

generated within the service area in the future. A more detailed breakdown of the Authority's waste stream quantities and characteristics set forth in Attachment 3.

2.6. Materials Separation Program

The Authority has implemented a materials separation plan which is an integral part of its System. The materials separation plan includes the following programs:

- Commercial Materials Recycling Program
- Institutional and Industrial Recycling Program
- Residential Materials Recycling Program
- Composting Program
- Ferrous Processing Program
- Construction and Demolition Debris Program
- Woody Waste Recycling Program (Horticultural)
- Household Hazardous Waste Program
- Conditionally Exempt Small Quantity Generator (CESQG) Program
- Disaster Debris Management Program
- White Goods Program
- Waste Tire Program
- Special Waste Programs
 - Mercury Containing Devices Recycling Program
 - Electronics Products Recycling Program
 - Medical Waste Recycling Program
 - Used Motor Oil Recycling Program
 - Greenhouse Gas Reduction Program
 - Source Reduction and Contributions to the Community
 - Renewable Energy

These programs are more fully described in Section 3.

3. Material Separation Plan

3.1. Goals and Approach

The Authority has identified a number of policies and goals to assist in the effective development of its material separation and recycling System. The following is a summary of the most significant of the Authority's efforts to provide for successful materials separation plan implementation.

- **Integrated Solid Waste Management.**

Policy – Utilize the principles of Integrated Solid Waste Management to conserve landfill capacity, while recovering energy and material resources from the solid waste stream through a well planned and operated system using source reduction, recycling, composting, combustion and landfilling.

- **Source Reduction.**

Policy – Develop and manage a countywide source reduction program. This is a comprehensive program to address all areas of source reduction, including decreased consumption by residents of materials that result in additional solid waste, reduced material volume, reduced toxicity or products and/or operating procedures, and reuse. The program is intended to make waste prevention a priority for the County.

- **Recycling.**

Policy – Implement programs to recover recyclable materials from the solid waste stream within the County. Recycling programs include both materials mandated for recycling by law or regulation, and any other materials which may be effectively recovered and marketed as commodities.

- **Organics Reclamation.**

Policy – Utilize organics reclamation to manage selected portions of the solid waste stream (e.g., vegetation and wastewater treatment plant sludge), and create products that have value as commodities for agricultural or horticultural uses. Some of the technologies include composting, mulching, and drying.

- **Combustion.**

Policy – Utilize combustion, with the recovery of energy, to manage those portions of the solid waste stream which cannot be efficiently managed through waste reduction, recycling or organics reclamation.

■ **Landfill.**

Policy – Utilize landfill disposal for the wastes and residues remaining after applying waste reduction, recycling, organics reclamation and combustion technologies to the waste stream.

■ **Special Wastes.**

Policy – Implement special waste management programs for those wastes identified as special wastes, and also for any wastes accepted by the Authority which require testing, documentation or special handling to assure operational compliance and worker safety.

■ **Hazardous Waste Management.**

Policy – Encourage the proper and responsible management of hazardous wastes within the County. To the maximum extent practicable, the potential for the improper introduction of hazardous wastes into the environment shall be minimized.

The Authority has implemented a comprehensive integrated solid waste management system with proven success. The subsequent sections summarize the current ISWM Plan and the proposed additions to the ISWM Plan that will be implemented in the near future.

3.2. Authority Material Separation Program

3.2.1. Commercial Materials Recycling Program

Commercial recycling in Palm Beach County is entirely voluntary. In the Authority's 14,000 square foot commercial recycling facility, the Authority operates a 22,000 tpy commercial materials recovery facility that sorts and bales commercial paper and cardboard for sale to paper mills in the southeastern United States. The commercial materials recycling facility gives businesses the opportunity to recycle, either at their place of business or at one of the more than 150 public drop-off locations located throughout the County. These drop-off locations are free and allow businesses to take items such as office paper, magazines, cardboard, newspapers and catalogs. Through the Authority's Commercial Materials Purchasing Agreement program, eligible businesses are paid for their office paper. A copy of this agreement can be found in Attachment 4.

3.2.2. Institutional and Industrial Recycling

Institutional recycling in Palm Beach County is promoted by the Authority's designated education staff. Through the Authority's Education Outreach Program, the Authority is actively involved in educating school-age children about the importance of recycling and reducing waste. The Authority offers the following:

- Classroom presentations (Grades K-12)
- Facility tours (Grades 4-12)
- Educational CD and DVD offerings

- Lesson Plans
- Activity sheets
- Reference materials

A representative sample of the educational materials used is included in Attachment 5.

The Palm Beach County School District appoints a recycling coordinator that coordinates recycling programs in the schools throughout the district. The Authority coordinates with the School District recycling coordinator for educational materials as well as recycling program assistance. The Authority provided desk side recycling bins and 95 gallon containers to schools for separating and recycling recyclable materials. These educational efforts touched more than 630,000 residents, including approximately 26,000 students.

The Authority employs recycling specialists (field representatives) to provide outreach services to residents, businesses, and institutions throughout the County. These field representatives are available to higher education institutions as well as industrial entities within the County to encourage and assist with coordination of recycling efforts. Industrial entities can also participate in the small business waste drop-off (if they qualify), public recycling drop-off locations, and the commercial materials purchasing program.

3.2.3. Residential Materials Recycling Program

The Authority operates a 175,000 tpy Materials Recycling Facility where it receives, sorts, processes, and prepares materials collected through the Authority's residential recycling program. The following materials are accepted at this facility.

Commingled

- Aluminum cans, foil and pie plates
- Clear, brown and green glass
- Plastic Containers #1-5 and 7

Fiber

- Newspapers and all their inserts
- Brown paper bags
- Magazines and catalogs
- Corrugated cardboard
- Telephone books

The 72,000 square foot facility is owned by the Authority and has a processing capacity of 175,000 tpy. It is operated by FCR Florida, Inc. The facility currently handles

approximately 100,000 tpy. It processes of 33 tons per hour of paper and 15 tons per hour of commingled containers.

The Authority is currently constructing a new Materials Recovery Facility (MRF) for combined residential and commercial services. The 140,000 square foot facility will be the largest MRF in the State and it is sized to manage the projected growth in the recycling stream. Once the MRF is completed, the Authority will begin accepting junk mail, all paperboard products, and steel cans at the curb as well, further reducing reliance on landfills.

The Authority operates a bin distribution program to promote single-family and multi-family residents recycling. A toll-free phone number is provided to residents to request bins at any time. Since the inception of this program, the Authority has witnessed a 20% increase of self-hauler municipalities. Eight of the Authority's staff members are also dedicated to working in the field to promote recycling for both residents and businesses around the County. Promotional materials used for a variety of audiences to promote recycling are included in Attachment 5 for further reference.

3.2.4. Composting Program

The Authority's Compost Facility accepts mulch produced by the Authority from vegetative debris from curbside collection routes and wastewater residuals from the City of West Palm Beach and others. Vegetative mulch is composted with wastewater residuals to produce compost that is suitable for agricultural and horticultural uses. The composting facility incorporates windrow/in-vessel and static pile technologies and has the capacity to treat 120,000 tpy of material. The composting operation produces a Class AAA compost product that is given to the public free of charge. In 1994 the Compost Facility received the American Society of Mechanical Engineers Award for Resource Recovery.

3.2.5. Ferrous Processing Program

The Ferrous Processing Facility processes ferrous metals (such as tin cans) recovered at the Material Recovery Facility, and the Class III landfill. White goods recovered from the Class III landfill are inspected prior to processing and any freon is removed. The mixed ferrous material from the NCRRF is size reduced by a vertical shredder and passed through an air classification system, which is coupled with magnets to separate the ferrous material from the non-ferrous tramp material. The ferrous material is transported by railcar to manufacturers who melt it down to make new steel products.

In 2006, more than 180,000 tons of ferrous and non-ferrous metals were collected and separated by the Authority. Approximately 79 percent of those metals were recycled, instead of being buried in the landfill.

3.2.6. Construction and Demolition Debris Program

Construction and demolition debris (C&D) is defined as the solid waste resulting from the construction, renovation, remodeling, repair and demolition of structures. Much of the C&D debris can be recycled if properly sorted. Materials comprising C&D include concrete, asphalt, cardboard, stone, brick, wood, metals, plasterboard and sheetrock.

In 1975, the Authority Board adopted “Rule I”, an operating permit for Solid Waste Facilities in Palm Beach County. Due to changes in federal and state programs it was revised in 1991 to be compatible with the State of Florida’s Solid Waste Management Act of 1988 and more clearly defines the procedures necessary to secure a permit from the Authority for operating a private construction debris and vegetation material recycling facility. The Authority has and continues to strongly promote and support the private recycling efforts of construction and vegetation debris countywide. The strategically located sites throughout the county provides other important benefits by increasing recycling participation and reducing tremendous travel time resulting in a decrease of emissions and greenhouse gases. A list of approved permitting C&D/vegetation recycling facilities is provided below:

Table 3-1: Permitted C&D and Yard Trash Disposal Facilities

<i>Name</i>	<i>Location</i>	<i>Materials Accepted</i>
Amerigrow Recycling	Delray Beach, FL	Yard Trash
Atlas-Lox Road South	Parkland, FL	Yard Trash, C&D
Waste Management	Riviera Beach, FL	C&D
Atlas Peat & Soil	Boynton Beach, FL	Yard Trash
B.G. Katz Nurseries	Boca Raton, FL	Yard Trash
County Mulch	Jupiter, FL	Yard Trash
DMS Wood Farms	Boynton Beach, FL	Yard Trash
DS Eakins Construction Corp.	Riviera Beach, FL	Clean concrete, Asphalt
Eastwood Mulch	West Palm Beach, FL	Yard Trash
Palm City Transfer and Recycling	West Palm Beach, FL	Yard Trash, C&D
Palm Beach Wood Products	Loxahatchee, FL	Yard Trash
Southeastern Organics	West Palm Beach, FL	Yard Trash
Sun Recycling LLC	West Palm Beach, FL	Yard Trash, C&D

Source: www.swa.org

3.2.7. Woody Waste Recycling Program (Horticultural)

Horticultural or yard waste includes vegetative materials resulting from landscaping maintenance or land clearing operations, and includes grass clippings, palm fronds, tree

and shrub trimmings, trees and tree stumps. The Authority receives more than 250,000 tons of yard waste per year. Approximately 100,000 tons of yard waste is shredded and used at the compost facility and given to the community free of charge. The remaining yard waste is delivered to the New Hope Power processing site near 20-Mile Bend for processing into boiler fuel for the Okeelanta Cogeneration Plant, south of South Bay.

3.2.8. Household Hazardous Waste Program

Household Hazardous Wastes (HHW) are those wastes that are generated by homeowners and consist of discarded chemical products such as pesticides, paints, stains, solvents, drain cleaners, used motor oil, pool chemicals, antifreeze, auto batteries and household batteries. HHW is not collected curbside, but these materials can be delivered either to the Authority's Household Hazardous Waste Facility or the Authority's Transfer Station(s).

The Authority collected more than 1.7 million pounds of HHW last year. There is no fee for residents and the Authority provides a fee-based system for the disposal of HHW by qualifying small businesses to dispose of HHW. The Authority's network of six drop-off locations, open six days a week, provides one of the highest levels for household hazardous waste collection services in the country. Educational and promotional materials for Household Hazardous Waste provided by the Authority are provided in Attachment 6.

3.2.9. Conditionally Exempt Small Quantity Generator (CESQG) Program

A Conditionally Exempt Small Quantity Generator is defined as any entity, other than a household, that generates less than 220 pounds of hazardous waste or 2.2 pounds of acute hazardous waste per calendar month, and never accumulates more than 2,200 pounds of hazardous waste. The Authority's CESQG program is one of less than a half dozen in the state of Florida.

The advantage of this program is that small quantities from different generators can be combined for disposal and the costs distributed among the contributors. Each business pays for only their share of the combined drum of waste. Hazardous wastes generated by CESQGs may be delivered to the Authority's Hazardous Waste Collection facility in proper containers for disposal.

3.2.10. Disaster Debris Management Program

The Authority is responsible for implementing debris removal and disposal actions upon a major debris generating event (e.g. Hurricanes). The Authority has developed a Debris Management Program in order to efficiently manage disaster debris clean up services. Each jurisdiction is responsible for coordinating the permanent removal, storage, recycling and disposal of all disaster debris deposited along or immediately adjacent to public rights-of-way in the jurisdiction.

The Authority has entered into interlocal agreements with municipalities in Palm Beach County to allow for a cooperative effort in the management of disaster debris and securing reimbursement for eligible disaster debris management costs.

3.2.11. White Goods Program

White goods are large discarded appliances, such as stoves and refrigerators. These materials are banned from landfills in Florida. The Authority accepts white goods at the Authority's Class I landfill where the white goods are separated and handled by a scrap metal processor for recycling.

3.2.12. Waste Tire Program

The Authority collects waste tires at its solid waste facilities and tires are sent to Wheelabrator Technologies for disposal. The Authority also works with the local sheriff's department to reduce the occurrences of illegal tire dumping within the County.

3.3. Special Waste Programs

Many special wastes, such as vegetation, appliances, construction debris, tires, etc. have established handling methods and are routinely accepted by the Authority. Other materials such as contaminated soils or asbestos are not as readily identifiable and may require laboratory analysis or special provisions to be accepted. In the end, the final decision must be made in consideration of both regulatory constraints and operational impacts.

The Authority considers the following issues in deciding whether or not to accept any special wastes:

- The regulatory status of the waste and/or related regulatory requirements;
- The type of hazards presented and the potential for worker exposure;
- The operational requirements to safely manage the special waste in accordance with all applicable laws and regulations;
- The desirability of disposing of the material in the Authority's landfill versus encouraging other disposal means; and
- Likelihood of illegal dumping.

Examples of the special solid wastes generated within the County whose disposal and collection methods are unique are presented below:

3.3.1. Mercury Containing Devices Recycling Program

Fluorescent lamps offer an energy efficient and cost effective alternative to traditional lighting. However fluorescent lamps contain mercury, and therefore should not be incinerated. Because part of the waste generated within the County is incinerated, fluorescent lamps must be delivered to one of the Authority's hazardous waste drop-off

locations, or one of the Authority's transfer stations, or the HHW facility, where they will be disposed of properly. Other mercury containing devices such as thermostats, thermometers, electrical switches and liquid mercury are also disposed of at these locations.

Educational materials and promotional recycling materials regarding mercury containing devices are provided free of charge to residents. The Authority has a contact phone number and website for information about the proper disposal of these items. A list of drop-off areas is also provided on the Authority's website and in promotional television commercials.

3.3.2. Electronics Products (E-Waste) Recycling Program

The Authority accepts E-waste from County residents such as computers, monitors, printers, cell phones, radios, and televisions and are collected, processed, and recycled in the United States. Collected items are sorted by the Authority and hauled away by a private contractor. The electronics are then stripped apart and useful components redistributed. While the Authority has recently seen a rise in the number of rechargeable batteries being processed, the Authority has been collecting and recycling rechargeable batteries for more than 15 years.

Household batteries and auto batteries may contain metals and acids and must be disposed of properly. While rechargeable batteries contain metals, rechargeable batteries are beneficial because they reduce overall battery waste. Additionally, when rechargeable batteries reach the end of their useful life, the metals in the batteries can be recycled. All residents with rechargeable batteries for disposal are encouraged to contact the Rechargeable Battery Recycling Corporation (RBRC) which operates a program to collect and recycle batteries.

Educational and promotional materials regarding electronic recycling are provided free of charge to residents. The Authority maintains a contact phone number and website for information about the proper disposal of these items.

3.3.3. Medical Waste

Needles, syringes and other types of biomedical waste are not accepted at any Authority facility. However, the Palm Beach County Health Department has a "Sharps" Depository program for home users. Information and drop-off locations from the Authority are available to all users.

Educational and promotional materials regarding medical waste are provided free of charge to residents. The Authority maintains a contact phone number and website for information about the proper disposal of these items.

3.3.4. Used Motor Oil

During 2007, the Authority recycled more than 31,095 gallons of used oil from Palm Beach County residents. Residents are encouraged to bring their used motor oil to the Authority's HHW Facility or transfer station free of charge. Educational and promotional materials regarding used motor oil are provided free of charge to residents. The Authority maintains a contact phone number and website for information about the proper disposal of these items.

3.3.5. Greenhouse Gas Reduction

The Authority's existing Renewable Energy Facility (the NCRRF), active landfill gas management systems, landfill gas to energy projects, and recycling programs reduce greenhouse gas emissions believed to contribute to global climate change. At the NCRRF, the Authority reduces greenhouse gas emissions by producing electricity that would otherwise have been generated by a fossil fuel power plant, and by decreasing the volume of waste that would otherwise have gone to the landfill, decomposed and generated methane, which is 21 times more potent than carbon dioxide as a greenhouse gas.

Landfill gas from the North County Landfill is now being used at the recently constructed Regional Pelletizing Facility. This Facility uses the landfill gas in the pellet dryers where wastewater residuals are treated and dried to create Class AA Biosolids. These biosolids can then be land applied to provide nutrients instead of fertilizer. By beneficially using landfill gas instead of energy produced from fossil fuels, this Facility helps to reduce greenhouse gas emissions.

Additionally, the Authority recovers metals, such as iron and aluminum, thereby avoiding the greenhouse gases resulting from the mining and production of metals from virgin materials. The Authority's recycling programs contribute as well. Since the beginning of the program, the Authority has recycled nearly 2 million tons of paper, plastic, aluminum and glass. Because producing new products from recovered materials consumes less energy, recycling reduces greenhouse gas generation. The Authority's transfer stations also reduce greenhouse gas emissions and pollution through enhanced transportation efficiency.

3.3.6. Source Reduction and Contributions to the Community

Source reduction addresses product manufacture, purchasing habits and product use. Options available in implementing source reduction efforts include product reuse, increasing the recycled content of products or packaging, reduction in material volume of products or packaging, increasing the useable life of a product, and decreasing the total quantity or toxicity of products used. Last year, the Authority donated more than 10,000 gallons of recycled paint, obtained in part from unused latex paint collected through the

Authority's Household Hazardous Waste Program, to non-profit and governmental agencies for use on homes, public buildings and in graffiti abatement programs.

The Authority acknowledges that public information, outreach, and education programs are key components for successful source reduction efforts. The Authority sponsors various programs established for the purpose of providing community awareness and educational programs, as presented below:

- **Litter Abatement “Adopt-A-Spot Program”** – Litter abatement and beautification program that provides community groups tools and supplies to “adopt” and improve the appearance of specific locations in their community.
- **Rebuilding Together of the Palm Beaches** – Volunteer based non-profit organization which offers assistance to the elderly, disabled and low income families with children. Repairs to the interior and exterior of qualifying homes are the basis of work performed through this program.
- **Paint Your Heart Out Palm Beach County** – Volunteer based non-profit organization which paints the exterior of qualifying single family homes with Authority's recycled paint at no cost to the homeowner. More than 80 homes were painted or repaired last year.
- **Neighbor to Neighbor Volunteer Program** – This program is based on neighbors teaching neighbors about recycling and waste prevention in their own community development. This program is open to all Palm Beach County residents who are interested in volunteering in their own community.
- **Green Team Volunteer Program** – Green Team volunteers assist Authority staff with community actions and special events. Volunteers help educate residents about the Authority's waste prevention and recycling programs.
- **Administrative Support Volunteers and Non-Paid Internship Volunteers** – Volunteers assist the Authority with a wide range of duties in several departments, including, recycling, media arts, customer information services, and management information systems.
- **School Recycling and Educational Programs** – Through the Authority's Education Outreach Program, the Authority is actively involved in educating children about the importance of recycling and reducing waste. The Authority offers the following information and materials:
 - Classroom presentations
 - Facility tours
 - Educations CD and DVD offerings
 - Lesson Plans
 - Activity Sheets
 - Reference Materials

- **Resource Depot** – Funded in part by a \$140,000 per year grant, the organization is a reuse center which collects business discards, samples, and scraps that would otherwise be landfilled. These items are donated, free of charge, back to educators, parents, and other non-profit organizations. Additional information on the Resource Depot program can be found at (www.resourcedeopt.net)

3.3.7. Renewable Energy

While the Authority's existing Renewable Energy Facility (the NCRRF) reduces the volume of waste disposed of in the landfill, it also produces clean electricity. Additionally, the Authority uses landfill gas, which consists primarily of methane, as a renewable energy source to produce clean energy as an alternative to fossil fuels.



2009 Landfill Depletion Model

**Forecast of Waste Generation and
Landfill Depletion: 2009 - 2038**

**Solid Waste Authority of
Palm Beach County**
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2009 LANDFILL DEPLETION MODEL

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2009 LANDFILL DEPLETION MODEL

1.0 INTRODUCTION

1.1 PURPOSE

The principles of integrated solid waste management as put forth in the Environmental Protection Agency's hierarchy of integrated solid waste management are designed to minimize the quantity of waste disposed in landfills. The recycling, composting, and resource recovery programs that make up a part of the SWA's solid waste management system divert materials from landfill disposal and decrease the volume of landfill space required to serve the Palm Beach County population.

Despite the existence of these programs, the SWA recognizes the unique characteristics of landfilling as a waste disposal option, not the least of which is the reality that landfill space, unlike other forms of infrastructure, is a depletable resource. Recycling, composting, and resource recovery are all factors in increasing the life of a given landfill volume, however given existing technology, there will always be a need to landfill some portion of the waste stream. It is reasonable to assume that although the need to provide replacement capacity can be delayed through recycling, composting, and resource recovery programs, it cannot be prevented. The availability of landfill capacity is a driving force behind the solid waste management system decision making process.

Prudent planning requires identifying the time at which the need for replacement capacity becomes critical and taking the required steps to ensure that replacement capacity is available. Although replacement landfill capacity can be secured in several ways, including siting a new landfill and contracting with a private landfill operator, the long lead time in siting, permitting, and constructing a landfill site, often greater than ten years, necessitates effective long range planning in order to ensure the viability of available options. The SWA's primary long range planning tool is the Landfill Depletion Model.

The Landfill Depletion Model is intended to forecast the estimated life of the SWA's landfills in order to facilitate facilities planning decisions and to assess the impact of alternatives and alternative states of nature on landfill life. As a planning tool, the model is useful in identifying the point or points in time at which a decision is required in order to ensure the availability of disposal capacity.

The Landfill Depletion Model considers the dynamic interrelationships between the available processing and disposal options, population projections and population growth rates, per capita generation rates, recycling rates, diversion rates, incineration capacity and reduction effectiveness, landfill compacted densities, and cover material requirements and produces a projected date of landfill depletion. With this date established and the anticipated lead time known, the latest date at which a decision must be made can be determined.

Because of the many factors impacting the rate of landfill depletion and in order to minimize the possibility of falling behind on the critical path, the Landfill Depletion Model is run on an annual basis when the latest population projections become available.

1.2 MODEL DESCRIPTION

Population projections and per capita waste generation rates are used to forecast annual waste generation for the next 30 years. The annual waste tonnages are adjusted downward to account for recycling, incineration, and waste reduction activities. The net landfill tonnage is converted to cubic yards and the landfill depletion determined using estimated compacted densities. In every period, the cubic yards depleted in the period are deducted from the remaining volume at the end of the prior period to determine the volume remaining. A negative number in the "Landfill Volume Remaining" column indicates that the landfill is at capacity. The main schedules are as follows:

Table 1	Estimated Population and Solid Waste Generation
Table 2	Class 1 Landfill Depletion
Table 2A	Class 1 Landfill Depletion w/ the addition of a Third Boiler at the WTE Plant
Table 3	Class 3 Landfill Depletion
Table 3A	Class 3 Landfill Depletion w/ the addition of a Third Boiler at the WTE Plant
Table 4	North County Landfill Depletion Under Balanced Life Scenario
Table 4A	North County Landfill Depletion Under Balanced Life Scenario- Third Boiler at WTE Plant

1.3 PRIOR RESULTS

The landfill depletion model was last updated in December 2007 and was based on operating data through FY 2007. The model predicted final depletion would occur in 2021 assuming the Class 1 and Class 3 landfills reach capacity at the same time. The model further indicated that adding a 3000 TPD Mass Burn Plant in the year 2015 would extend the life of the landfill to 2026.

Although the model is a long range planning tool, an evaluation of short term performance versus actual results is an important aspect of the annual review in order to identify any short term changes which may impact long term results. The following table presents projected, actual, and percent variance data for the previous year:

	Projected	Actual	Variance
Total Solid Waste Generation	2,005,912	1,639,812	18.3%
Class 1 Generation	1,389,082	1,196,347	13.9%
Class 3 Generation	616,830	443,465	28.1%
Total Generation Rate (ppd)	8.26	6.95	15.9%
Class 1 Generation Rate	5.72	5.07	11.4%
Class 3 Generation Rate	2.54	1.88	26.0%
Total Landfilled Tonnage	1,119,241	802,716	28.3%
Class 1 Landfilled Tonnage	746,984	534,987	28.4%
Class 3 Landfilled Tonnage	372,257	267,729	28.1%
Note: (1) Total generation is net of out-of-county recyclables, sludge, and clean and restricted use fill. (2) Total landfill quantity is net of recovered fill material, metals, and OCC. (3) Per capita generation rates expressed net of fill and sludge.			

Total generation of MSW and recyclables decreased from 1,758,335 tons to 1,639,812 tons, a decline of

118,523 tons, and fell short of the model projection by 366,100 tons (18.3%). With respect to Class 1 material, after a 6.6% decline in FY 2007, garbage deliveries declined an additional 24,325 tons (2.3%) in FY 2008 to 1,036,241 tons, the lowest generation since FY 2002-2003. Factors responsible for the decline are generally believed to be the steep decline in the real estate market and the economic slowdown.

The continuing decline in Class 3 material deliveries is comprised of a 55,296 ton (43.8%) reduction in building debris and a 33,893 ton (13.9%) reduction in vegetation. With regard to building debris, which declined 40.0% in FY 2007, the further decline is directly attributable to decreased construction and renovation activity related to the decline in the real estate market and general economic conditions. The reduction in vegetation was partially due to the diversion of vegetation from the high generating Acreage to private recyclers.

Landfill consumption totaled 802,716 tons and fell short of the projection by 316,525 tons (28.3%). The shortfall was the direct result of the sharp decline in the waste stream coupled with the decision to leave the assumed per capita generation rate unchanged in last year's model amid conflicting signals regarding the trend in waste generation rates. The protracted slump in the real estate market has continued to put downward pressure on waste generation. Because the **Landfill Depletion Model** is a long range planning tool short-term variances can be expected.

2.0 LANDFILL DEPLETION MODEL ASSUMPTIONS

2.1 POPULATION

Recent projections indicate that the population of Palm Beach County is anticipated to increase from an estimated 1,294,654 people in 2007 to 1,811,300 people in 2035. Both the population growth and the timing of population growth are critical to properly assessing future waste generation and landfill longevity.

The SWA uses the University of Florida Bureau of Economic and Business Research medium permanent population projections as published in **Florida Population Studies (Vol. 41, Bulletin No. 150)**. The BEBR population projections are the same projections used by Palm Beach County Planning and Zoning for planning purposes. The average annual growth rate from 2008 through 2035 is approximately 1.24%. The BEBR projections are presented in 5 year intervals. The between interval population estimates are calculated through interpolation using the periodic growth factors. The between interval growth rates are as follows:

Average Annual Growth Rates		Average Annual Growth Rates	
2008-2010	1.55%	2010-2015	1.56%
2015-2020	1.34%	2020-2025	1.21%
2025-2030	1.06%	2030-2035	0.92%

Tourism being one of Palm Beach County's largest economic contributors, there is an annual surge in population between Thanksgiving and Easter. Due to the difficulty in predicting seasonal population, which fluctuates with general economic conditions and the weather, among other factors, the solid waste generation projections are made using only permanent population. As a result of this, the per capita generation rates used in the model may not be comparable to those of other jurisdictions.

The Bureau of Economic and Business Research provides no estimate beyond 2035. The population growth rate beyond 2035 is assumed to be equal to the average annual growth rate for the 2030-2035 period. Given that the projected landfill depletion date is prior to 2035, population growth beyond 2030 has no impact on the projection. The 2008 population estimate represents of decrease of 379 people in

comparison to the previous year. This follows a lackluster 0.5% increase over the one year period ending April 1, 2007 and 1.7%, 1.9%, and 2.5% increases for the years ended April 1, 2006, 2005, and 2004, respectively.

2.2 WASTE GENERATION

Two per capita generation rates are utilized in the model: one for Class 1 material (garbage and special wastes) and one for Class 3 material (trash and building debris). Class 1 material is delivered to the North County Resource Recovery Facility for incineration with material in excess of the plant's capacity landfilled directly in the Class 1 landfill. Class 3 material is delivered to the Class 3 landfill for processing and disposal. In order to calculate the per capita generation rates, SWA incoming waste tonnages for the preceding several years are reviewed in an effort to identify any trends. The data source is SWA scale reports. The per capita generation rates used in the model reflect only the material the SWA receives or reasonably expects to receive.

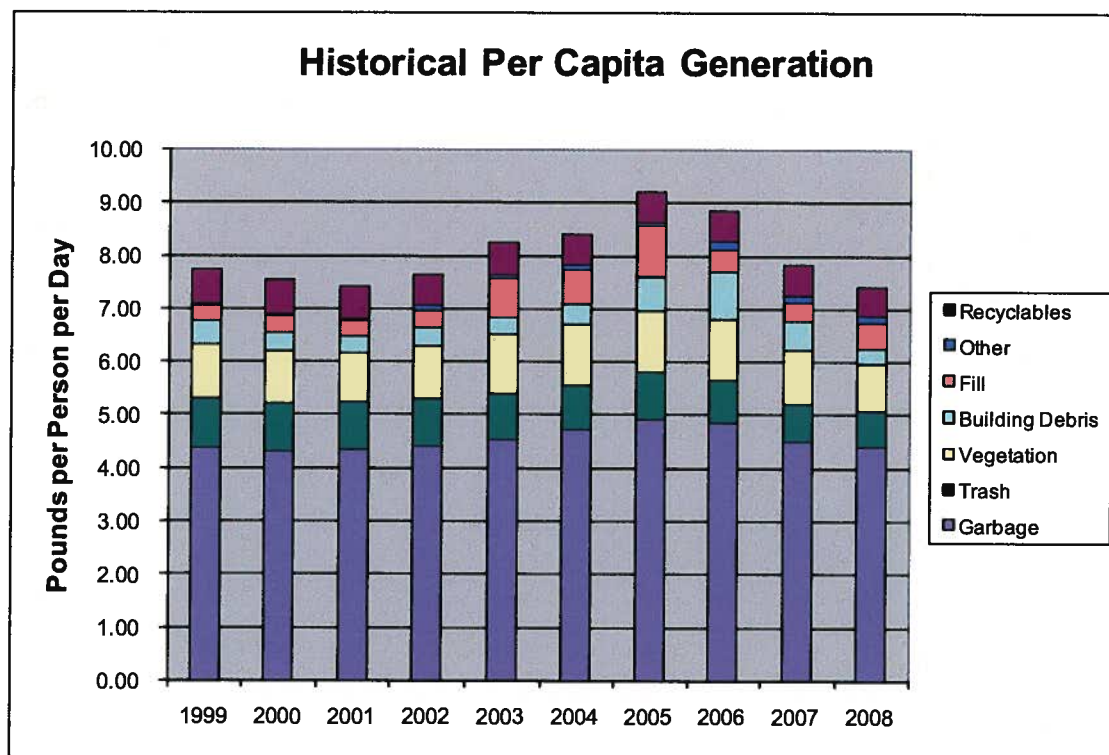
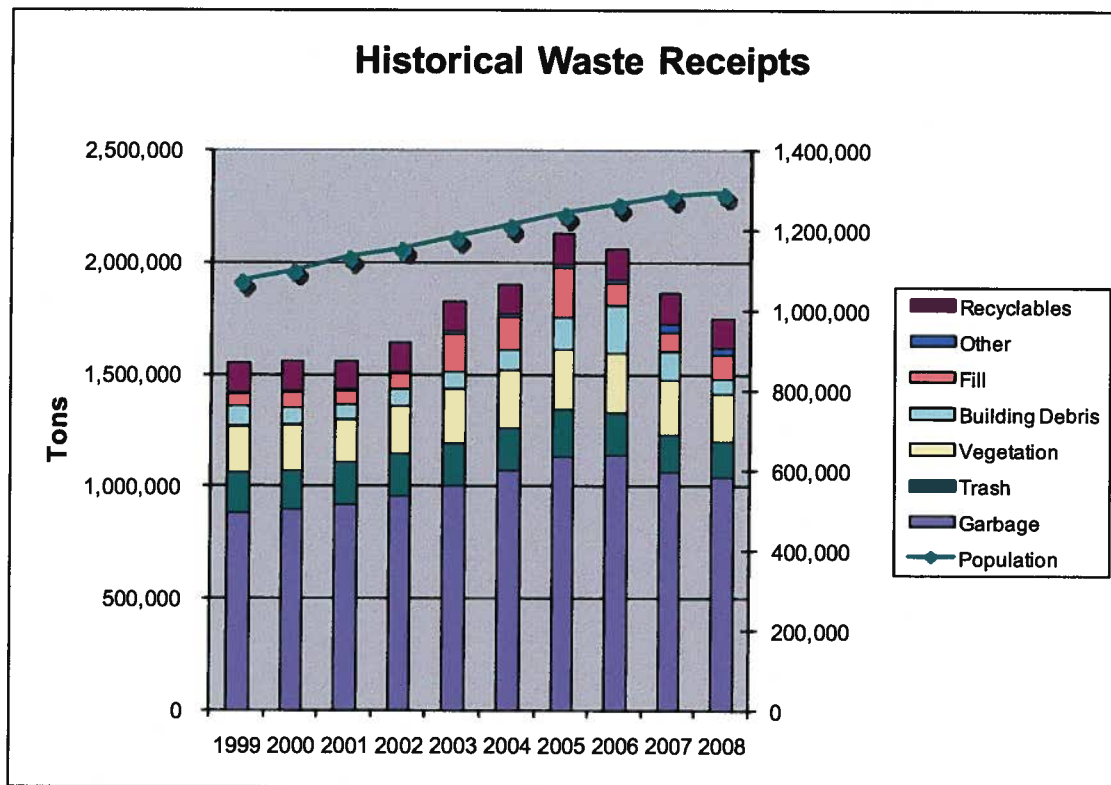
Currently, considerable quantities of primarily heavy construction and demolition debris and clean vegetation are delivered to private recyclers permitted by the SWA. Material that is currently diverted to private recyclers is assumed to continue to be delivered to private recyclers.

2.2.1 Per Capita Generation Rates - Discussion

The per capita generation rate decreased for the second consecutive year from 8.12 pounds per person per day in FY 2006-2007 to 7.69 in FY 2007-2008, the lowest level since FY 2000-2001. Significant decreases were experienced in Garbage (4.49 to 4.39), Building Debris (.53 to .30) and Vegetation (1.03 to 0.89) due to the reasons previously discussed. Recyclables deliveries decreased from 136,141 tons to 131,964 tons, a decrease of 3.1%, for the reasons discussed in Section 2.5. The per capita generation of recyclables decreased from .58 to .56 pounds per person per day.

The per capita generation rates are calculated by dividing the average daily pounds of waste received by the BEBR estimated permanent projection for April 2008. Fluctuations in the per capita generation rates can result from many factors, including changes in the waste stream, increased or decreased private sector recycling activity, and error in the population estimate.

Because the SWA operates both a Class 1 and a Class 3 landfill, incoming MSW is characterized as either Class 1 or Class 3 material. The Class 1 generation rate, which includes Garbage, Recyclables, Direct Landfill, and other special wastes, decreased from 5.17 to 5.06 pounds per person per day, the lowest level since FY 2000-2001, due to the decline in garbage deliveries. The Class 3 generation rate, which includes Trash, Building Debris, Vegetation, and Tires, decreased from 2.27 to 1.88 pounds per person per day, the lowest level on record, largely due to the sharp decline in Construction Debris deliveries. Combining the Class 1 and Class 3 generation rates presented above the total per capita generation rate decreased from 7.44 to 6.94 pounds per person per day, the lowest level since FY 1996-1997. Note that these rates do not include sludge, which is mostly composted and has no significant impact on landfill life, or restricted use fill, which is recycled as road base material and landfill cover. Current and historical estimated per capita waste generation rates are presented on Pages 5 and 6.



**Solid Waste Authority of Palm Beach County
Historical Per Capita Generation Rates**

	Fiscal Year							Base Year 1985/1986
	2007/2008	2006/2007	2005/2006	2004/2005	2003/2004	2002/2003	2001/2002	
Population	1,294,654	1,295,033	1,287,987	1,265,900	1,242,270	1,211,448	1,183,197	753,700
Tonnage	1,817,981	1,918,735	2,152,816	2,203,456	1,962,951	1,880,348	1,708,332	1,222,930
Garbage	1,036,241	1,060,566	1,135,093	1,129,444	1,066,741	997,657	950,713	536,775
Trash	161,584	166,146	190,854	210,279	191,626	191,692	189,420	290,327
Vegetative	209,141	243,034	267,440	265,503	260,042	244,823	212,942	30,724
CD	70,853	126,149	210,479	147,008	85,319	72,467	75,836	354,574
Sludge	68,503	75,225	78,785	78,846	64,566	62,952	61,812	119
Clean Fill	109,666	85,175	96,868	220,220	146,155	167,054	70,839	1,733
Tires	1,887	2,013	1,930	2,438	3,694	3,224	1,499	2,690
Miscellaneous	28,142	24,286	36,720	14,103	14,452	11,236	17,416	5,988
Subtotal MSW	1,686,017	1,782,594	2,018,169	2,067,841	1,832,595	1,751,105	1,580,477	1,222,930
Recyclables	131,964	136,141	134,647	135,615	130,356	129,243	127,834	0
Total MSW	1,817,981	1,918,735	2,152,816	2,203,456	1,962,951	1,880,348	1,708,311	1,222,930
Garbage	4.39	4.49	4.83	4.89	4.71	4.51	4.40	3.90
Trash	0.68	0.70	0.81	0.91	0.85	0.87	0.88	2.11
Vegetative	0.89	1.03	1.14	1.15	1.15	1.11	0.99	0.22
CD	0.30	0.53	0.90	0.64	0.38	0.33	0.35	2.58
Sludge	0.29	0.32	0.34	0.34	0.28	0.28	0.29	0.00
Clean Fill	0.46	0.36	0.41	0.95	0.64	0.76	0.33	0.01
Tires	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02
Miscellaneous	0.12	0.10	0.16	0.06	0.06	0.05	0.08	0.04
Subtotal MSW	7.14	7.54	8.59	8.95	8.08	7.92	7.32	8.89
Recyclables	0.56	0.58	0.57	0.59	0.57	0.58	0.59	0.00
Total MSW	7.69	8.12	9.16	9.54	8.66	8.50	7.91	8.89
Major Categories (pounds per person per day)								
Class 1	5.06	5.17	5.56	5.54	5.34	5.15	5.08	3.95
Class 3	1.88	2.27	2.85	2.71	2.38	2.32	2.22	4.93
Sludge	0.29	0.32	0.34	0.34	0.28	0.28	0.29	0.00
Fill	0.46	0.36	0.41	0.95	0.64	0.76	0.33	0.01
Garbage and Trash	6.94	7.44	8.41	8.24	7.73	7.46	7.30	8.88

2.2.2 Assumed Per Capita Generation Rates

In the model, incoming MSW and recyclables are grouped into four major categories, Class 1, Class 3, sludge, and fill of which sludge and fill are not considered in the model because of alternative disposal and use options. Class 1 material consists of the following: Garbage, Recyclables, Direct Landfill, Special Handling, Animals, and other miscellaneous wastes. Class 3 material consists of Trash, Vegetation, Building Debris, Tires, Trailers, and Asbestos. The values for the Class 1 and Class 3 categories for the last sixteen years are as follows:

	<u>Class 1 Material</u>	<u>Class 3 Material</u>	<u>Total</u>	<u>Vegetation</u>
1997/1998	4.85	2.24	7.09	1.01
1998/1999	5.02	2.41	7.43	1.04
1999/2000	4.97	2.24	7.21	1.00
2000/2001	4.98	2.14	7.11	0.92
2001/2002	5.08	2.22	7.30	0.99
2002/2003	5.15	2.32	7.46	1.11
2003/2004	5.34	2.38	7.73	1.15
2004/2005	5.54	2.71	8.24	1.15
2005/2006	5.56	2.85	8.41	1.14
2006/2007	5.17	2.27	7.44	1.03
2007/2008	5.06	1.88	6.94	0.89

The key element that must be considered in establishing the per capita generation rate assumptions is the general trend in the generation rates and the probability that this trend will continue or reverse. As previously discussed, the decrease in the Class 3 generation rate resulted from decreased Building Debris, Trash and Vegetation deliveries. While it is difficult to pinpoint the cause of this decline, undoubtedly this results from the combined effect of the absence of significant storm events, the diversion of heavy tree debris to private recyclers, the slowdown in the real estate market, and the drought. To what degree each of these factors had an impact is difficult to determine.

Outside of vegetation, the average generation rate of Class 3 material for each of the past eight years in chronological order was as follows: 1.22, 1.23, 1.21, 1.23, 1.56, 1.71, 1.24 and .99 pounds per person per day. As the data indicates, the decline in Class 3 material deliveries predicted in last year's model has materialized, and the generation rate has returned to near the pre-storm level. Given the potential for future storm events in this active storm cycle, conservatism dictates that we allow for the probability of future storm events. Last year the forecast generation rate was set at the five-year average over the period ending in FY 2007, or 1.39 pounds per person per day. This period included FY 2005 and FY 2006, both storm years. If recent history is any indication of future events, we can expect several quiet years interrupted by periods of increased hurricane activity, therefore it is more realistic to use an estimate that incorporates both quiet years and storm years. In looking at the data, the per capita generation fell within the 1.21 to 1.24 (average equals 1.23) range for five of the past eight years, and averaged 1.64 over the storm impacted years. Ignoring the most recent year as resulting from a short term economic event and assuming a 20% probability of a storm event in any given year, the weighted average per capita generation rate is estimated at 1.31 pounds per person per day.

Vegetation is the second component of the Class 3 generation rate. In viewing the above data, three distinct periods of vegetation generation emerge. During the period from FY 1998 to FY 2002, the average per capita generation rate was 1.0 pound per person per day, and ranged from a low of .92 to a high of 1.04. For the next four years the per capita generation was higher, averaging 1.14 and ranging from 1.11 to 1.15 pounds per person per day. This period includes the three hurricanes and the pine bore beetle infestation that resulted in the decline and loss of pine trees in our western communities. During the period after FY 2006 the per capita generation of vegetation declined for two consecutive years. This can be attributed to two factors: 1) no significant storm events, and 2) the increased diversion of this material to private processors. With the likelihood of future storm events it is reasonable to assume that the future will resemble the recent past; therefore, the assumed generation rate of vegetation is established at the average of the last 10 years, or 1.04 pounds per person per day. Adding the generation rates for Class 3 material and vegetation, the total Class 3 generation rate is assumed to be 2.35 pounds per person per day.

The Class 1 generation rate decreased from 5.17 pounds per person per day to 5.06 pounds per person per day, which is roughly equivalent to the rate for FY 2002. Data for the first month of FY 2009 indicates a continuation of the downward trend amid continuing economic weakness and the collapse of the housing

bubble. The now apparent continuing downward trend justifies a reduction in the estimated per capita generation rate going forward. It is reasonable to assume that the higher generation rates experienced from 2003-2006 were related to unprecedented real estate activity and that the low generation rates of the past two years were related to an unprecedented collapse in the real estate market. Therefore, this period is not considered in the projection. Fitting an exponential trend line to the per capita generation rates from FY 1992 through FY 2003 ($4.5258e^{0.1x}$) and forecasting forward to FY 2009 produces a projected generation rate of 5.42 increasing at a rate of 1.0% per year. These values are used in the model except for FY 2009 and FY 2010, which due to the economic slowdown, are projected at the FY 2008 rate of 5.06 pounds per person per day.

It must be noted that the calculated per capita generation rates are dependent upon the BEBR annual population estimate, and the potential for error increases as the time since the last census increases. The model incorporates a sensitivity analysis to reflect the uncertainty in the assumptions and to accommodate alternative points of view.

The generation rates include only the waste the SWA receives and not materials delivered to permitted recyclers or shipped out of the county. It is assumed that the material not coming to the SWA's system will continue to be diverted from the system. To the extent that this assumption is incorrect, the estimated landfill life will be shorter than that predicted by the model. Because the SWA performs an annual review of waste generation and consumption data as part of the landfill depletion model update, any substantive changes will be detected, their potential impact evaluated, and any planning revisions made long before the disposal capacity of the landfill is significantly impacted.

2.3 WASTE DISPOSAL

Class 1 material is assumed to be delivered to the plant unless the plant is at capacity, in which case it is delivered to the Class 1 landfill as raw garbage. Class 3 material is assumed to be delivered to the Class 3 landfill, except as follows. Currently, considerable quantities of Class 3 material are either commingled at the transfer stations and delivered to the Resource Recovery Facility or diverted to the Class 1 landfill for operational reasons. Operational constraints at the transfer stations, particularly in the southern part of the county, will most likely result in the commingling continuing. Additionally, the SWA diverts a large percentage of building debris and C&D processor residue to the Class 1 landfill because of the gypsum content in this material and the potential for odor. The model incorporates the commingling of Class 3 material by including a factor for commingled Class 3 material expressed as a percent of incoming Class 3 material. The rate used in the model is 31%. This rate is comprised of a 3% commingled rate for vegetation and a 57% commingled rate for the balance of the Class 3 material.

2.4 UNFORESEEN EVENTS

The waste generation rates used in the model do not include an allowance for increased depletion resulting from the landfilling of storm debris from a hurricane or other natural disaster. Through the effective use of temporary debris sites the SWA is able to manage the post-disaster cleanup and dispose of storm debris with limited impact on landfill capacity. The SWA's ability to accomplish this has been demonstrated following Hurricanes Irene, Frances, Jeanne, and Wilma. Additionally, the model assumes that the Resource Recovery Facility will be operating without any catastrophic outages, other than scheduled maintenance and minor outages, that would result in more than 5% downtime over the life of the plant. This assumption was recently tested following a fire in the boiler building in October 2005. Despite the magnitude of the damage, the plant was fully operational within two months.

2.5 RECYCLING RATES

The total annual generation of Class 1 and Class 3 material is adjusted to account for recycling and waste

reduction activities. On the Class 1 side, during FY 2007-2008 131,964 tons of recyclables were delivered to the SWA's MRF and CMRF, a 3.1% decrease in relation to FY 2006-2007. The per capita generation of recyclables decreased from .58 to .56 pounds per person per day. Dividing the per capita generation rate for recyclables by the per capita generation rate of Class 1 material produces a reduction rate of 11.0%, which is 1.8% lower than last year and the lowest since the early 90's. The decline was the result of Waste Management, Inc. diverting commercial paper and cardboard from the SWA's commercial MRF (CMRF) to their own recycling facility due to the historically high market demand and prices for these materials.

Although the amount of material delivered to the SWA's residential MRF (RMRF) increased by 5.0%, the amount of material delivered to the CMRF fell 31.2%. Had this material come to the SWA, recyclable tonnage would have totaled approximately 142,000 tons, or 11.8% of total Class 1 material, and the per capita generation rate would have been .60, the highest level in 7 years. The market for recyclables is a competitive market. It is the SWA's experience that as commodity prices increase and other players enter the market some material flows away from the Authority, but as prices subsequently fall the material returns.

As of this writing, due to the economic slowdown in general and significantly lower demand by China in particular, the prices of recovered materials are falling rapidly. With the expectation that some of this material will return and in anticipation of the introduction of residential mixed paper next year, the assumed Class 1 recycling rate remains at 13% of Class 1 material in the model.

On the Class 3 side the most significant recycling activity involves clean vegetation. During the year the SWA recovered and/or recycled 203,170 tons of vegetation and mulch, amounting to 97.1% of the 209,141 tons of inbound vegetative debris and up from 95.3% the prior year. Additional recovered materials included 1,047 tons of ferrous metal, 65 tons of cardboard, and 1,529 tons of tires delivered to the resource recovery facility or exported. In total, the SWA recovered and/or recycled 205,811 tons or 46.4% of the 443,465 tons of Class 3 material (net of clean fill) delivered in FY 2007-2008. This compares to 32.3% in FY 2004-2005, and 37.5% in FY 2005-2006 and 43.8% in FY 2006-2007. The assumed Class 3 recycling rate is 40%, the average of the previous four years' rates.

2.6 COMPACTED DENSITIES

Forecasted incoming solid waste tonnage is converted to consumed landfill volume by multiplying by the average compacted density. Although industry standards do exist, in reality landfill compacted densities vary widely based on the type of material landfilled and the operating procedures employed. Because the SWA landfills large quantities of ash and process residue from the RDF Resource Recovery Facility in the Class 1 landfill and diverts nearly all clean vegetation, the accuracy of industry averages cannot be relied upon for SWA system planning purposes.

To avoid uncertainty in estimating the compacted densities the SWA conducts an annual survey to determine the volume of landfill space consumed. The calculated waste volume in place for the prior year is subtracted from that for the present year to determine the volume depleted during the year. Using SWA waste tonnage data, the average landfill compacted density for the year and life-to-date is calculated. These densities are used to arrive at the density assumptions used in the model.

As can be seen on the following page, the average density over the life of the landfill is 1,715 pounds per cubic yard in the Class 1 landfill and 1,360 pounds per cubic yard in the Class 3 landfill. These rates are used in the model. The model calculates the Class 1 volume depleted by applying the above compacted density to plant residues and the estimated density of raw garbage of 1,200 pounds per cubic yard to the estimated quantity of landfilled raw garbage, and summing the two. The Class 3 volume is calculated by dividing the estimated compacted density into the pounds of landfilled solid waste.

Solid Waste Authority of Palm Beach County
Landfill Depletion Model Landfill Density Calculation

Class 1 Annual Landfill Density Estimate

	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008
Direct Haul	58,061	67,297	209,606	80,934	28,263
Transfer	304,661	353,278	336,554	275,107	286,852
Non-Processible	51	0	34,717	20,218	0
Residue	234,499	232,174	215,671	194,620	219,776
Uncombusted RDF	1,179	239	1,924	0	0
Ash	111,032	126,965	114,432	85,654	96
Total Tonnage to Landfill Disposal	709,483	779,953	912,904	656,533	534,987
Cubic Yards Depleted	785,940	959,009	1,219,671	848,202	486,759
Estimated Average Density	1,805	1,627	1,497	1,548	2,198

Class 3 Annual Landfill Density Estimate

	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008
Direct Haul	268,754	400,344	312,284	230,903	231,225
Transfer, Residue and Ash	102,924	91,712	8,677	62,823	146,663
Total Tonnage	371,678	492,056	320,961	293,726	377,888
Transfer Out Tires	179	117	82	227	214
Recovered Fill	146,155	220,220	96,868	85,165	109,666
Recovered Road Material/Concrete	0	0	0	0	0
Recovered Ferrous and White Goods	2,906	2,973	3,529	2,341	1,047
Fuel to Okeelanta or Wheelabrator	0	0	0	0	0
Cardboard	81	92	59	57	65
Net Transfer to Reduction Program	0	0	0	0	0
Vegetation/Mulch	(1,976)	(1,467)	(978)	(1,093)	(833)
Total Recovered Material	147,345	221,935	99,560	86,697	110,159
Total Tonnage to Landfill Disposal	224,333	270,121	221,401	207,029	267,729
Cubic Yards Depleted	368,102	428,853	202,730	388,893	187,130
Estimated Average Density	1,219	1,260	2,184	1,065	2,861

Life to Date Average Landfill Density Estimate

	Class 1		Class 3	
	Annual	Cumulative	Annual	Cumulative
Tons Disposed Through 11/11/91		735,890		537,637
Less October 1991		22,374		20,127
Less 11 Days of November		8,529		5,211
Tons Disposed Through 9/30/91		704,987		512,299
Tons Disposed 10/01/01 - 9/30/02	588,932	5,541,393	150,318	2,465,147
Tons Disposed 10/01/02 - 9/30/03	633,376	6,174,769	165,472	2,630,619
Tons Disposed 10/01/03 - 9/30/04	709,483	6,884,252	224,333	2,854,952
Tons Disposed 10/01/04 - 9/30/05	779,953	7,664,205	270,121	3,125,073
Tons Disposed 10/01/05 - 9/30/06	912,904	8,577,109	221,401	3,346,474
Tons Disposed 10/01/06 - 9/30/07	656,533	9,233,642	207,029	3,553,503
Tons Disposed 10/01/07 - 9/30/08	534,987	9,768,629	267,729	3,821,232
Cubic Yards Depleted at 9/30/02 (1)		6,404,387		3,744,598
Estimated Average Density to 9/30/02		1,730		1,317
Cubic Yards Depleted at 9/30/03 (1)		7,090,845		4,042,962
Estimated Average Density to 9/30/03		1,742		1,301
Cubic Yards Depleted at 9/30/04 (1)		7,876,785		4,411,064
Estimated Average Density to 9/30/04		1,748		1,294
Cubic Yards Depleted at 9/30/05 (1)		8,835,794		4,839,917
Estimated Average Density to 9/30/05		1,735		1,291
Cubic Yards Depleted at 9/30/06		10,055,465		5,042,647
Estimated Average Density to 9/30/06		1,706		1,327
Cubic Yards Depleted at 9/30/07		10,903,667		5,431,540
Estimated Average Density to 9/30/07		1,694		1,308
Cubic Yards Depleted at 9/30/08		11,390,426		5,618,670
Estimated Average Density to 9/30/08		1,715		1,360

2.7 COVER MATERIAL

Because daily cover is included in the annual volume used in the density calculation, it is not addressed in the model. Final cover consuming landfill volume is assumed to be 5% of the total landfill volume. This reflects the fill volume estimates from the closure of the first six cells of the Class 1 landfill. The estimated volume consumed by final cover is accounted for by reducing the available landfill capacity by 5%.

2.8 AVAILABLE LANDFILL VOLUMES

The available landfill volumes have been calculated by the SWA's engineers, Camp Dresser and McKee, using CAD analysis. CDM estimates total landfill volume at 51,884,000 cubic yards prior to settlement, of which 9,698,800 cubic yards are within Class 3 cells. This estimate assumes landfilling to 167 feet NGVD, 7 feet above the permitted height of 160 feet, with settlement to 160 feet. Because the Landfill Depletion Model uses compacted densities that include settlement, the volume above 160 feet NGVD, an estimated 1,760,000 yards, has been deducted for the purpose of the model. Therefore, the total estimated landfill volume is 50,124,427 cubic yards. The landfill consists of 262 acres of Class 1 capacity and 72 acres of Class 3 capacity. With the 1,760,000 cubic yards deducted from the Class 1 and Class 3 landfills on a proportional basis, there is an estimated 40,754,579 cubic yards of Class 1 space and 9,369,848 cubic yards of Class 3 space (Class 3 Cells 1-6 and 8). Through September 30, 2007, 11,390,426 cubic yards of Class 1 volume and 5,618,670 cubic yards of Class 3 volume have been depleted.

2.9 RESOURCE RECOVERY FACILITY (NCRRF)

The rated capacity of the NCRRF is 624,000 tons per year, however excluding FY 2005-2006 which was impacted by a fire at the plant, the plant has surpassed 800,000 tons of processible waste per year every year since FY 1996-1997. In FY 2007-2008, the plant processed 858,511 tons. This compares to 850,671 tons in FY 2006-2007, 782,960 tons in FY 2005-2006, and 884,005 tons in FY 2004-2005.

With the exception of the period impacted by the planned retrofit of the facility, the assumed throughput is 817,000 tons, reflecting the following: the SWA's long range planning assumption of 860,000 tons of processible waste per year; the long term successful operating history of the plant; and estimated downtime of 5% based on the rapid recovery time from two recent major unscheduled outages. During the retrofit, which is scheduled from April 2010 to March 2011, throughput is reduced by 60%.

The residuals from the plant include ash, process residue, and unprocessibles. Unprocessibles are estimated at 4.0% of total delivered waste in the present model, which is equal to the average of the past five years (4.1% in FY 2003-2004, 4.3% in FY 2004-2005, 4.4% in FY 2005-2006, 3.7% in FY 2006-2007, and 3.6% in FY 2007-2008). Unprocessibles are currently landfilled in the Class 3 landfill, and the SWA expects this practice to continue.

Process residue and ash totaled 40.8% in FY 2003-2004, 40.6% in FY 2004-2005, 41.8% in FY 2005-2006, 38.0% in FY 2006-2007 and 38.75% in FY 2007-2008. The Operating and Maintenance Agreement with the plant operator requires a minimum 60% reduction over the life of the contract, therefore ash and residue are assumed to total 40% of processible waste. The SWA is currently landfilling ash in the Class 3 landfill and expects to continue to do so. Since historically, based on an average of the past ten years, ash represents approximately 35% of the residuals, it is assumed in the model that 35% of the residuals are landfilled in the Class 3 landfill.

The SWA is pursuing options to expand incinerating capacity. At this time the SWA is evaluating the feasibility of constructing a 3,000 ton per day mass burn waste-to-energy plant adjacent to the existing facility. The model includes a scenario for the addition of this facility in the year 2015. Annual throughput is estimated at 936,000 tons. Residues are estimated at 28% by weight of incoming waste.

3.0 MODEL RESULTS

3.1 SUMMARY OF RESULTS

The summary results of the landfill depletion model for the existing incineration capacity and the proposed expanded incineration capacity are presented below in Table 3.1 and in the following paragraphs. The landfill depletion model results are included in Appendix A of the Report for further inspection.

The estimated landfill depletion dates for the Class 1 and Class 3 landfills are 2026 and 2015, respectively, compared to 2024 and 2013 in the prior model. On a balanced basis, which would require landfilling Class 3 waste in the Class 1 landfill after 2015, final depletion is expected to take place in 2024, which is unchanged from the previous model. The volume allocation associated with the balanced life scenario through depletion is approximately 75% Class 1 and 25% Class 3 material.

A 3,000 ton per day mass burn plant online in 2015 would add approximately seven years to the life of the site on a balanced basis, placing the ultimate depletion in the year 2031. The volume allocation associated with the balanced life scenario and the third boiler is approximately 51% Class 1 and 49% Class 3.

Scenario		Projected Life	Balanced Life
Two Boiler Results	Class 1	2026 (262 AC)	2024
	Class 3	2015 (72 AC)	
Mass Burn Added in 2015	Class 1	2044 (262 AC)	2031
	Class 3	2015 (72 AC)	

3.2 SPECIAL SCENARIO - RESERVE LANDFILL CAPACITY FOR RESOURCE RECOVERY RESIDUES

The SWA's Resource Recovery Facility is anticipated to be operational until at least 2030; therefore, the SWA may wish to reserve capacity for process residue and ash at the current landfill until 2030. Additionally, because Class 3 material cannot be managed at the SWA's transfer stations, the SWA may wish to provide capacity for this material at the current landfill as well. The model was used to evaluate the impact of this strategy. In order to provide capacity for process residue, ash and Class 3 waste through 2030, the SWA would have to divert all unprocessed Class 1 waste to an alternative site starting in 2021.

Assuming that a Mass Burn Plant is operational in 2015, the model indicates that the facility would not reach capacity until 2023, and the landfill would provide capacity for incinerator ash and residue and Class 3 waste beyond 2030 without diverting any waste to an alternative site.

3.3 SENSITIVITY ANALYSIS - THREE STATES OF NATURE

The above results are based upon a set of assumptions that represents a reasonable best guess. As with any model, these assumptions are based upon current circumstances and information. Some assumptions will inevitably vary; therefore, the actual results will deviate from the projections. In order to ascertain the potential magnitude of these deviations, the model has been run using "Most Likely", "Optimistic", and "Pessimistic" assumption sets, which are defined as follows.

Assumptions	Optimistic	Pessimistic
Generation Rates	5% Lower	5% Higher
Recycling Rates	20% Higher	5% Lower
Compacted Densities	10% Higher	10% Lower

The range for the Class 1 generation rate is somewhat conservative because the calculated annual generation rate has been less than the optimistic assumption fourteen of the last sixteen years and has never exceeded the pessimistic assumption even in the years impacted by hurricanes. Similarly for Class 3 material, the calculated annual generation rate has been less than or equal to the optimistic assumption thirteen of the last sixteen years and has exceeded the pessimistic assumption only twice and those were hurricane impacted years.

The 20% increase in the Class 1 recycling rate under the "optimistic" assumption set assumes the introduction of new programs to collect additional materials, such as mixed paper and junk mail. The 5% lower assumption under the "pessimistic" assumption set assumes no new programs and a slight erosion in participation.

The Class 1 and Class 3 life-to-date compacted densities have been within the assumed ranges for more than ten years.

The results of the sensitivity analysis are presented below. The analysis indicates that based on the current configuration, on a balanced basis the landfill is reasonably expected to be fully depleted at a time ranging from 2022 to 2027. Assuming the addition of the mass burn plant in 2015 and using the current landfill configuration, the landfill is reasonably expected to be depleted during the time period ranging from 2028 to 2035.

Scenario Summary			
	Most Likely	Optimistic	Pessimistic
Assumptions:			
Class 1 Generation Rate	5.42	5.15	5.69
Class 3 Generation Rate	2.35	2.23	2.47
Class 1 Recycling Rate	13%	16%	12%
Class 3 Recycling Rate	35%	35%	35%
Garbage Density	1,200	1,320	1,080
Trash Density	1,360	1,496	1,224
Plant Residuals Density	1,715	1,887	1,544
Results:			
Class 1	2026	2030	2024
Class 3	2015	2016	2014
Balanced Life	2024	2027	2022
Class 1 w/ Mass Burn	2044	2054	2038
Class 3 w/ Mass Burn	2015	2016	2014
Balanced Life w/ Mass Burn	2031	2035	2028

This exercise was undertaken to demonstrate how the estimate can vary given the realization of extreme values of the key assumptions. On a balanced life basis, the earliest predicted depletion date is 2022, which is six years beyond the life of the bonds issued to finance the existing SWA facilities. In recognition of the lead times involved, the SWA is currently in the process of designing and permitting the replacement landfill.

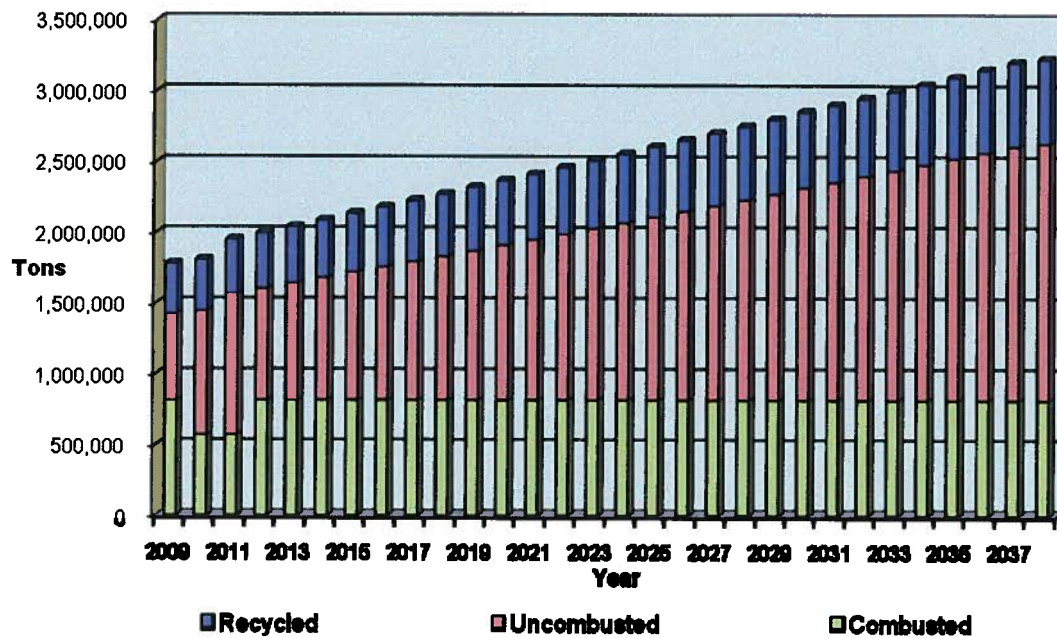
4.0 SUMMARY AND CONCLUSIONS

The landfill depletion model is designed to forecast the estimated life of the SWA's North County landfills in order to facilitate facilities planning decisions and assess the impact of alternatives and alternative states of nature on landfill life. Given current information and expectations of future events, the **2009 Landfill Depletion Model** predicts the estimated life of the North County landfill as follows:

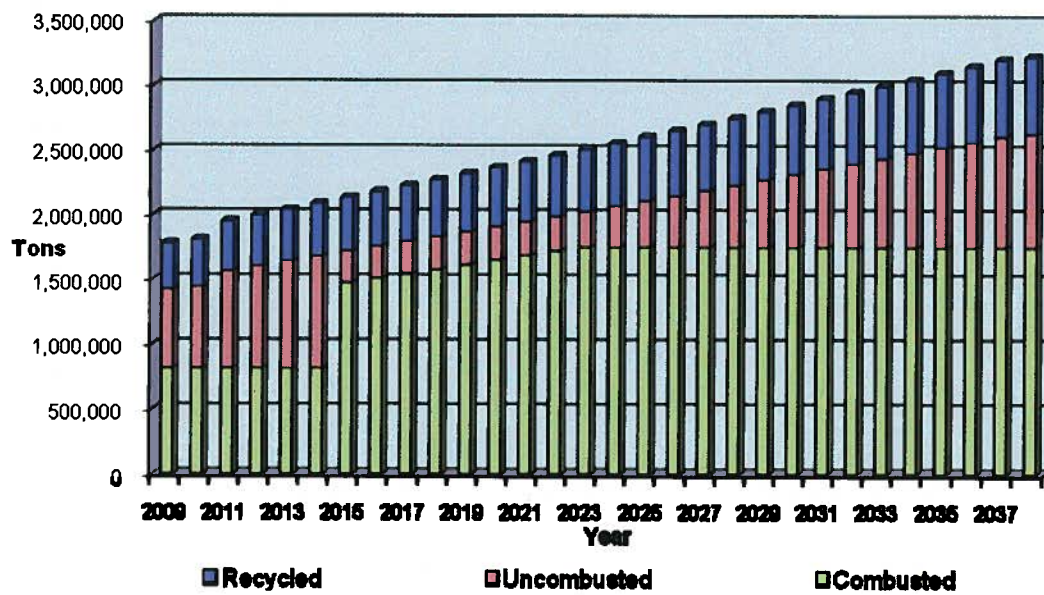
Depletion Results	
Acreage	334
Available Capacity	50,124,427
Remaining Capacity	33,115,331
Depletion Year w/ Current Incineration Capacity	2024 (16 years)
Depletion year w/ Mass Burn Plant Online in 2015	2031 (23 years)

The above estimates are based on a reasonable Most Likely set of assumptions. As with any forecast, the result is subject to uncertainty. Should actual performance deviate from the assumptions adopted herein, results will vary. As this analysis is performed annually, any events that could potentially impact the life of the landfill will be identified long before depletion and afford the SWA the opportunity to plan accordingly.

Waste Disposition - Current Incineration Capacity



Waste Disposition - Mass Burn Plant In 2015



APPENDIX A**LANDFILL DEPLETION MODEL OUTPUT**

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Solid Waste Authority of Palm Beach County
Landfill Depletion Model

Landfill Volume Assumptions

Total Estimated Volume (Net of 5% Final Cover)		47,618,206
Class 1 (Net of 5% Final Cover)		38,716,850
Class 3 (Net of 5% Final Cover)		8,901,356
Volume Depleted to Date		17,009,096
Class 1		11,390,426
Class 3		5,618,670
Additional Volume from Future Expansion Options		
Option 1		
Option 2		
Option 3		
Option 4		
Total Identified Options		0
Class 1 Allocation	0.00%	0
Class 3 Allocation	0.00%	0
Estimated Acreage		334.00
Class 1		262.00
Class 3		72.00
Volume Remaining		30,609,110
Class 1		27,326,424
Class 3		3,282,686

Waste Generation and Recovery Assumptions

	Class 1	Class 3
Per Capita Generation Rate	5.42	2.35
Recycling Rate	13%	35%
Cover Material as a Percent of Landfill Volume	5%	5%
Raw Waste Density in Pounds per Cubic Yard	1,200	1,360
Plant Residue Density in Pounds per Cubic Yard	1,715	1,715
Per Capita Generation Growth Rate	1.00%	0.00%

Landfill Depletion Model Results

Estimated Depletion	
Class 1	2026
Class 3	2015
Balanced Life	2024
 Class 1 w/ Mass Burn in the Year 2015	 2044
Class 3 w/ Mass Burn in the Year 2015	2015
Balanced Life w/ Mass Burn in the Year 2015	2031

Solid Waste Authority of Palm Beach County
Landfill Depletion and Solid Waste Generation

Table 1: Estimated Population and Solid Waste Generation

	Palm Beach County Permanent Population (1)	Daily Per Capita Class 3 Generation lbs	Annual Per Capita Class 3 Generation lbs	Annual Estimated Class 3 Generation tons	Daily Per Capita Class 1 Generation lbs	Annual Per Capita Class 1 Generation lbs	Annual Estimated Class 1 Generation tons	Daily Per Capita MSW Generation lbs	Annual Per Capita MSW Generation lbs	Annual Estimated MSW Generation tons
2009	1,314,918	2.35	858	563,936	5.06	1,847	1,214,261	7.41	2,705	1,778,197
2010	1,335,500	2.35	858	572,763	5.06	1,847	1,233,267	7.41	2,705	1,806,030
2011	1,356,527	2.35	858	581,781	5.53	2,018	1,368,779	7.88	2,876	1,950,560
2012	1,377,886	2.35	858	590,941	5.58	2,038	1,404,234	7.93	2,896	1,995,175
2013	1,399,580	2.35	858	600,245	5.64	2,059	1,440,607	7.99	2,916	2,040,852
2014	1,421,617	2.35	858	609,696	5.70	2,079	1,477,922	8.05	2,937	2,087,618
2015	1,444,000	2.35	858	619,296	5.75	2,100	1,516,204	8.10	2,958	2,135,499
2016	1,463,430	2.35	858	627,629	5.81	2,121	1,551,971	8.16	2,979	2,179,600
2017	1,483,121	2.35	858	636,074	5.87	2,142	1,588,583	8.22	3,000	2,224,657
2018	1,503,078	2.35	858	644,633	5.93	2,164	1,626,058	8.28	3,021	2,270,690
2019	1,523,303	2.35	858	653,307	5.99	2,185	1,664,417	8.34	3,043	2,317,724
2020	1,543,800	2.35	858	662,097	6.05	2,207	1,703,681	8.40	3,065	2,365,778
2021	1,562,578	2.35	858	670,150	6.11	2,229	1,741,647	8.46	3,087	2,411,798
2022	1,581,584	2.35	858	678,302	6.17	2,251	1,780,460	8.52	3,109	2,458,761
2023	1,600,821	2.35	858	686,552	6.23	2,274	1,820,137	8.58	3,132	2,506,689
2024	1,620,292	2.35	858	694,903	6.29	2,297	1,860,699	8.64	3,154	2,555,601
2025	1,640,000	2.35	858	703,355	6.36	2,320	1,902,164	8.71	3,177	2,605,519
2026	1,657,522	2.35	858	710,870	6.42	2,343	1,941,711	8.77	3,201	2,652,581
2027	1,675,230	2.35	858	718,464	6.48	2,366	1,982,081	8.83	3,224	2,700,546
2028	1,693,128	2.35	858	726,140	6.55	2,390	2,023,290	8.90	3,248	2,749,430
2029	1,711,218	2.35	858	733,898	6.61	2,414	2,065,356	8.96	3,272	2,799,254
2030	1,729,500	2.35	858	741,739	6.68	2,438	2,108,296	9.03	3,296	2,850,035
2031	1,745,559	2.35	858	748,627	6.75	2,462	2,149,151	9.10	3,320	2,897,778
2032	1,761,767	2.35	858	755,578	6.81	2,487	2,190,798	9.16	3,345	2,946,375
2033	1,778,126	2.35	858	762,594	6.88	2,512	2,233,251	9.23	3,370	2,995,845
2034	1,794,636	2.35	858	769,675	6.95	2,537	2,276,528	9.30	3,395	3,046,202
2035	1,811,300	2.35	858	776,821	7.02	2,562	2,320,643	9.37	3,420	3,097,464
2036	1,828,041	2.35	858	784,001	7.09	2,588	2,365,512	9.44	3,446	3,149,513
2037	1,844,937	2.35	858	791,247	7.16	2,614	2,411,249	9.51	3,472	3,202,496
2038	1,844,937	2.35	858	791,247	7.23	2,640	2,435,362	9.58	3,498	3,226,609
Annual Growth Rate	1.17%	0.00%	0.00%	1.17%	1.00%	1.25%	2.43%	0.90%	0.90%	2.08%

Sources and Notes:

- (1) Bureau of Economic and Business Research, University of Florida, Florida Population Studies; As summarized in Table 1A.
- (2) Per capita generation rates include commercial generation and thus are not related to the generation rates used in the Assessment Billing Program.
- (3) The waste quantities include only waste received at SWA facilities.

Solid Waste Authority of Palm Beach County
Landfill Depletion Model
Table 1A: Population Projection

Year Ended September	Estimated Permanent Population	University of Florida BEBR Medium Permanent Population Estimate	
1999	1,042,196	2005	1,265,900
2000	1,131,184	2008	1,294,654
2001	1,154,464	2010	1,335,500
2002	1,183,197	2015	1,444,000
2003	1,211,448	2020	1,543,800
2004	1,242,270	2025	1,640,000
2005	1,265,900	2030	1,729,500
2006	1,287,987	2035	1,811,300
2007	1,295,033		
2008	1,294,654	2005-2008	0.75%
2009	1,314,918	2008-2010	1.55%
2010	1,335,500	2010-2015	1.56%
2011	1,356,527	2015-2020	1.34%
2012	1,377,886	2020-2025	1.21%
2013	1,399,580	2025-2030	1.06%
2014	1,421,617	2030-2035	0.92%
2015	1,444,000	2035-	0.92%
2016	1,463,430	2008-2035	1.24%
2017	1,483,121		
2018	1,503,078		
2019	1,523,303		
2020	1,543,800		
2021	1,562,578		
2022	1,581,584		
2023	1,600,821		
2024	1,620,292		
2025	1,640,000		
2026	1,657,522		
2027	1,675,230		
2028	1,693,128		
2029	1,711,218		
2030	1,729,500		
2031	1,745,559		
2032	1,761,767		
2033	1,778,126		
2034	1,794,636		
2035	1,811,300		
2036	1,828,041		
2037	1,844,937		

(1) Population estimates from Bureau of Economic and Business Research, Florida Population Studies, Bulletin No. 150, February 2008.

(2) Population estimates calculated as follows:

$$r = \ln(p_{2015}/P_{2010})/5$$

$$r = \ln(1.0812)/5$$

$$r = .0156$$

$$P_{2011} = P_{2010} \times (e^{(nr)})$$

$$P_{2011} = 1,335,500 \times (e^{(1 \times .0156)})$$

$$P_{2011} = 1,335,500 \times 1.0157$$

$$P_{2011} = 1,356,527$$

Solid Waste Authority of Palm Beach County

Landfill Depletion Model
Table 2: Estimated Class 1 Landfill Depletion - Current Two Boiler System

	Class 1 Waste Generation Tons	Class 1 Waste Net of Recycled Tons	Class 3 Diverted to Class 1 Tons	NCRRF Unprocessable Waste Tons	Uncombusted Waste Landfilled Tons	Process Residue, Ash, and RDF Landfilled Tons	Class 1 Waste Landfilled Tons	Class 1 Volume Consumed CY	Class 1 Volume Remaining CY
2009	1,214,261	1,056,407	174,820	0	380,186	212,420	592,606	881,363	26,445,061
2010	1,233,267	1,072,943	177,556	0	654,770	148,694	803,464	1,264,687	25,180,374
2011	1,368,779	1,190,838	180,352	0	775,461	148,694	924,155	1,465,839	23,714,535
2012	1,404,234	1,221,684	183,192	0	553,834	212,420	766,254	1,170,776	22,543,759
2013	1,440,607	1,253,328	186,076	0	588,362	212,420	800,782	1,228,324	21,315,435
2014	1,477,922	1,285,792	189,006	0	623,756	212,420	836,176	1,287,314	20,028,121
2015	1,516,204	1,319,097	191,982	0	660,037	212,420	872,457	1,347,782	18,680,338
2016	1,551,971	1,350,215	194,565	0	693,738	212,420	906,158	1,403,951	17,276,388
2017	1,588,583	1,382,067	197,183	0	728,208	212,420	940,628	1,461,401	15,814,987
2018	1,626,058	1,414,670	199,836	0	763,465	212,420	975,885	1,520,162	14,294,825
2019	1,664,417	1,448,043	202,525	0	799,526	212,420	1,011,946	1,580,264	12,714,562
2020	1,703,681	1,482,203	205,250	0	836,411	212,420	1,048,831	1,641,738	11,072,823
2021	1,741,647	1,515,233	207,747	0	871,938	212,420	1,084,358	1,700,951	9,371,873
2022	1,780,460	1,549,000	210,274	0	908,232	212,420	1,120,652	1,761,440	7,610,433
2023	1,820,137	1,583,519	212,831	0	945,309	212,420	1,157,729	1,823,235	5,787,198
2024	1,860,699	1,618,808	215,420	0	983,186	212,420	1,195,606	1,886,363	3,900,835
2025	1,902,164	1,654,883	218,040	0	1,021,881	212,420	1,234,301	1,950,855	1,949,979
2026	1,941,711	1,689,289	220,370	0	1,058,617	212,420	1,271,037	2,012,082	(62,102)
2027	1,982,081	1,724,411	222,724	0	1,096,093	212,420	1,308,513	2,074,542	(2,136,644)
2028	2,023,290	1,760,262	225,104	0	1,134,324	212,420	1,346,744	2,138,260	(4,274,904)
2029	2,065,356	1,796,859	227,509	0	1,173,326	212,420	1,385,746	2,203,264	(6,478,168)
2030	2,108,296	1,834,217	229,939	0	1,213,115	212,420	1,425,535	2,269,578	(8,747,747)
2031	2,149,151	1,869,761	232,074	0	1,250,794	212,420	1,463,214	2,332,377	(11,080,123)
2032	2,190,798	1,905,994	234,229	0	1,289,181	212,420	1,501,601	2,396,356	(13,476,479)
2033	2,232,251	1,942,929	236,404	0	1,328,291	212,420	1,540,711	2,461,538	(15,938,017)
2034	2,276,528	1,980,579	238,599	0	1,368,136	212,420	1,580,556	2,527,948	(18,465,965)
2035	2,320,643	2,018,959	240,815	0	1,408,732	212,420	1,621,152	2,595,607	(21,061,572)
2036	2,365,512	2,057,995	243,040	0	1,449,994	212,420	1,662,414	2,664,377	(23,725,949)
2037	2,411,249	2,097,787	245,287	0	1,492,032	212,420	1,704,452	2,734,439	(26,460,388)
2038	2,435,362	2,118,765	245,287	0	1,513,009	212,420	1,725,429	2,769,403	(29,229,793)

Total Estimated Volume to +160 NGVD
Volume Depleted Through Fiscal Year 2007/2008
Remaining volume based on 262.00 Acres of Class 1 Landfill

38,716,850
11,390,426
27,326,424

Assumptions:	Average Annual Class 1 Growth Rate	2.43%
	Recycling Rate (Net of Ferrous)	13.00%
	Recycling Growth Rate	0.00%
	Cover Material	5.00%
	Raw Garbage Density in Lbs per Cubic Yard	1,200
	Process Residue Density in Lbs per Cubic Yard	1,715
	Daily Average Plant Throughput, Design	2,000
	Plant Capacity (Processible Tons)	817,000
	Process Residue, Ash, and RDF to Landfill	40.00%
	Percent of Residue, Ash, and RDF to Class 1	65.0%
	Unprocessibles to Landfill (Percent of Delivered)	4.00%
	Percent of Unprocessibles to Class 1	0.00%

Estimated Depletion	2026	2024
Class 1 Balanced Life		

Solid Waste Authority of Palm Beach County
Landfill Depletion Model
Table 2A: Estimated Class 1 Landfill Depletion - Proposed Mass Burn Plant In 2015

	Class 1 Waste Generation Tons	Class 1 Waste less Recycling Tons	Class 3 Diverted to Class 1 Tons	NCRRF Unprocessable Waste Tons	Uncombusted Waste Landfilled Tons	Process Residue, Ash, and RDF Landfilled Tons	Class 1 Waste Landfilled Tons	Class 1 Volume Consumed CY	Class 1 Volume Remaining CY
2009	1,214,261	1,056,407	174,820	0	380,186	212,420	592,606	881,363	26,445,061
2010	1,233,267	1,072,943	177,556	0	409,670	148,694	558,364	856,187	25,588,874
2011	1,368,779	1,190,838	180,352	0	530,361	148,694	679,055	1,057,339	24,531,535
2012	1,404,234	1,221,684	183,192	0	553,834	212,420	766,254	1,170,776	23,360,759
2013	1,440,607	1,253,328	186,076	0	588,362	212,420	800,782	1,228,324	22,132,435
2014	1,477,922	1,285,792	189,006	0	623,756	212,420	836,176	1,287,314	20,845,121
2015	1,516,204	1,319,097	191,982	0	0	212,420	212,420	247,720	20,597,400
2016	1,551,971	1,350,215	194,565	0	0	212,420	212,420	247,720	20,349,680
2017	1,588,583	1,382,067	197,183	0	0	212,420	212,420	247,720	20,101,960
2018	1,626,058	1,414,670	199,836	0	0	212,420	212,420	247,720	19,854,240
2019	1,664,417	1,448,043	202,525	0	0	212,420	212,420	247,720	19,606,520
2020	1,703,681	1,482,203	205,250	0	0	212,420	212,420	247,720	19,358,800
2021	1,741,647	1,515,233	207,747	0	0	212,420	212,420	247,720	19,111,080
2022	1,780,460	1,549,000	210,274	0	0	212,420	212,420	247,720	18,863,360
2023	1,820,137	1,583,519	212,831	0	9,309	212,420	221,729	263,235	18,600,125
2024	1,860,699	1,618,808	215,420	0	47,186	212,420	259,606	326,363	18,273,761
2025	1,902,164	1,654,883	218,040	0	85,881	212,420	298,301	390,855	17,882,906
2026	1,941,711	1,689,289	220,370	0	122,617	212,420	335,037	452,082	17,430,824
2027	1,982,081	1,724,411	222,724	0	160,093	212,420	372,513	514,542	16,916,283
2028	2,023,290	1,760,262	225,104	0	198,324	212,420	410,744	578,260	16,338,022
2029	2,065,356	1,796,859	227,509	0	237,326	212,420	449,746	643,264	15,694,759
2030	2,108,296	1,834,217	229,939	0	277,115	212,420	489,535	709,578	14,985,180
2031	2,149,151	1,869,761	232,074	0	314,794	212,420	527,214	772,377	14,212,804
2032	2,190,798	1,905,994	234,229	0	353,181	212,420	565,601	836,356	13,376,448
2033	2,233,251	1,942,929	236,404	0	392,291	212,420	604,711	901,538	12,474,909
2034	2,276,528	1,980,579	238,599	0	432,136	212,420	644,556	967,948	11,506,962
2035	2,320,643	2,018,959	240,815	0	472,732	212,420	685,152	1,035,607	10,471,355
2036	2,365,512	2,057,995	243,040	0	513,994	212,420	726,414	1,104,377	9,366,978
2037	2,411,249	2,097,787	245,287	0	556,032	212,420	768,452	1,174,439	8,192,539
2038	2,435,362	2,118,765	245,287	0	577,009	212,420	789,429	1,209,403	6,983,136

Total Estimated Volume to +160 NGVD
Volume Depleted Through Fiscal Year 2007/2008
Remaining volume based on 262.00 Acres of Class 1 Landfill
38,716,850
11,390,426
27,326,424

Assumptions:	Average Annual Class 1 Growth Rate	2.43%
	Recycling Rate (Net of Ferrous)	13.00%
	Recycling Growth Rate	0.00%
	Cover Material	5.00%
	Raw Garbage Density in Lbs per Cubic Yard	1,200
	Process Residue Density in Lbs per Cubic Yard	1,715
	RDF Plant Capacity (Processible Tons)	817,000
	Plant Capacity w/ Mass Burn Plant	1,753,000
	Mass Burn Residuals	28.00%
	Mass Burn Unprocessibles	0.00%
	Add Mass Burn Plant in Year	2015

Estimated Depletion	2044
Class 1	2031
Balanced Life	

Solid Waste Authority of Palm Beach County
Landfill Depletion Model
Table 3: Estimated Class 3 Landfill Depletion - Current Two Boiler System

	Class 3 Waste Generation Tons	Class 3 Waste Recycled Tons	Class 3 Waste Net Tons	NCRRF Unprocessable Waste Tons	NCRRF Ash, Residue and RDF Tons	Class 3 Diverted to Class 1 Tons	Class 3 Waste Landfilled Tons	Class 3 Volume Consumed CY	Class 3 Volume Remaining CY
2009	563,936	197,377	366,558	34,042	114,380	(174,820)	340,160	500,235	2,782,451
2010	572,763	200,467	372,296	23,829	80,066	(177,556)	298,634	439,168	2,343,282
2011	581,781	203,623	378,157	23,829	80,066	(180,352)	301,701	443,677	1,899,605
2012	590,941	206,829	384,111	34,042	114,380	(183,192)	349,342	513,738	1,385,867
2013	600,245	210,086	390,159	34,042	114,380	(186,076)	352,505	518,390	867,478
2014	609,696	213,394	396,302	34,042	114,380	(189,006)	355,718	523,115	344,363
2015	619,296	216,753	402,542	34,042	114,380	(191,982)	358,982	527,915	(183,552)
2016	627,629	219,670	407,959	34,042	114,380	(194,565)	361,815	532,081	(715,634)
2017	636,074	222,626	413,448	34,042	114,380	(197,183)	364,687	536,304	(1,251,938)
2018	644,633	225,621	419,011	34,042	114,380	(199,836)	367,597	540,583	(1,792,521)
2019	653,307	228,657	424,649	34,042	114,380	(202,525)	370,546	544,920	(2,337,442)
2020	662,097	231,734	430,363	34,042	114,380	(205,250)	373,535	549,316	(2,886,757)
2021	670,150	234,553	435,598	34,042	114,380	(207,747)	376,273	553,342	(3,440,100)
2022	678,302	237,406	440,896	34,042	114,380	(210,274)	379,044	557,418	(3,997,518)
2023	686,552	240,293	446,259	34,042	114,380	(212,831)	381,849	561,543	(4,559,061)
2024	694,903	243,216	451,687	34,042	114,380	(215,420)	384,689	565,719	(5,124,779)
2025	703,355	246,174	457,181	34,042	114,380	(218,040)	387,562	569,945	(5,694,724)
2026	710,870	248,804	462,065	34,042	114,380	(220,370)	390,117	573,702	(6,268,426)
2027	718,464	251,463	467,002	34,042	114,380	(222,724)	392,700	577,499	(6,845,925)
2028	726,140	254,149	471,991	34,042	114,380	(225,104)	395,309	581,337	(7,427,263)
2029	733,898	256,864	477,034	34,042	114,380	(227,509)	397,947	585,216	(8,012,479)
2030	741,739	259,609	482,131	34,042	114,380	(229,939)	400,613	589,137	(8,601,616)
2031	748,627	262,019	486,607	34,042	114,380	(232,074)	402,955	592,580	(9,194,196)
2032	755,578	264,452	491,126	34,042	114,380	(234,229)	405,318	596,056	(9,790,252)
2033	762,594	266,908	495,686	34,042	114,380	(236,404)	407,704	599,564	(10,389,816)
2034	769,675	269,386	500,288	34,042	114,380	(238,599)	410,111	603,104	(10,992,921)
2035	776,821	271,887	504,934	34,042	114,380	(240,815)	412,541	606,678	(11,599,599)
2036	784,001	274,400	509,601	34,042	114,380	(243,040)	414,982	610,268	(12,209,866)
2037	791,247	276,937	514,311	34,042	114,380	(245,287)	417,446	613,891	(12,823,757)
2038	791,247	276,937	514,311	34,042	114,380	(245,287)	417,446	613,891	(13,437,648)

Total Estimated Volume to +160 NGVD
Volume Depleted Through Fiscal Year 2007/2008
Remaining Volume based on 72.00 Acres of Class 3 Landfill

8,901,356
5,618,670
3,282,686

Assumptions:

- Average Annual Class 3 Growth Rate 1.17%
- Recycling/Reduction Rate 35.00%
- Recycling Growth Rate 0.00%
- Cover Material 5.00%
- Trash Density In Lbs per Cy 1,360
- Percent of NCRRF Unprocessibles to Class 3 100.00%
- Percent of Class 3 Material Diverted to Class 1 31.00%

Estimated Depletion

Class 3 Balanced Life	2015	2024
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Solid Waste Authority of Palm Beach County
Landfill Depletion Model
Table 3A: Estimated Class 3 Landfill Depletion - Proposed Mass Burn Plant in 2015

	Class 3 Waste Generation Tons	Class 3 Waste Recycled Tons	Class 3 Waste Net Tons	NCRRF Unprocessable Waste Tons	NCRRF Ash, Residue and RDF Tons	Class 3 Diverted to Class 1 Tons	Class 3 Waste Landfilled Tons	Class 3 Volume Consumed CY	Class 3 Volume Remaining CY
2009	563,936	197,377	366,558	34,042	114,380	(174,820)	340,160	500,235	2,782,451
2010	572,763	200,467	372,296	23,829	80,066	(177,556)	298,634	439,168	2,343,282
2011	581,781	203,623	378,157	23,829	80,066	(180,352)	301,701	443,677	1,899,605
2012	590,941	206,829	384,111	34,042	114,380	(183,192)	349,342	513,738	1,385,867
2013	600,245	210,086	390,159	34,042	114,380	(186,076)	352,505	518,390	867,478
2014	609,696	213,394	396,302	34,042	114,380	(189,006)	355,718	523,115	344,363
2015	619,296	216,753	402,542	34,042	299,190	(191,982)	543,793	799,695	(455,332)
2016	627,629	219,670	407,959	34,042	308,627	(194,565)	556,062	817,738	(1,273,071)
2017	636,074	222,626	413,448	34,042	318,278	(197,183)	568,585	836,154	(2,109,225)
2018	644,633	225,621	419,011	34,042	328,150	(199,836)	581,367	854,951	(2,964,177)
2019	653,307	228,657	424,649	34,042	338,247	(202,525)	594,413	874,137	(3,838,314)
2020	662,097	231,734	430,363	34,042	348,575	(205,250)	607,730	893,720	(4,732,034)
2021	670,150	234,553	435,598	34,042	358,523	(207,747)	620,416	912,376	(5,644,410)
2022	678,302	237,406	440,896	34,042	368,685	(210,274)	633,349	931,396	(6,575,806)
2023	686,552	240,293	446,259	34,042	376,460	(212,831)	643,929	946,955	(7,522,760)
2024	694,903	243,216	451,687	34,042	376,460	(215,420)	646,769	951,130	(8,473,891)
2025	703,355	246,174	457,181	34,042	376,460	(218,040)	652,197	955,356	(9,429,247)
2026	710,870	248,804	462,065	34,042	376,460	(220,370)	654,780	959,114	(10,388,361)
2027	718,464	251,463	467,002	34,042	376,460	(222,724)	657,389	962,911	(11,351,272)
2028	726,140	254,149	471,991	34,042	376,460	(225,104)	660,027	966,749	(12,318,021)
2029	733,898	256,864	477,034	34,042	376,460	(227,509)	662,693	970,628	(13,288,649)
2030	741,739	259,609	482,131	34,042	376,460	(229,939)	665,035	974,549	(14,263,198)
2031	748,627	262,019	486,607	34,042	376,460	(232,074)	667,398	977,992	(15,241,190)
2032	755,578	264,452	491,126	34,042	376,460	(234,229)	669,784	981,468	(16,222,658)
2033	762,594	266,908	495,686	34,042	376,460	(236,404)	672,191	984,976	(17,207,634)
2034	769,675	269,386	500,288	34,042	376,460	(238,599)	674,621	988,516	(18,196,150)
2035	776,821	271,887	504,934	34,042	376,460	(240,815)	677,062	992,090	(19,188,239)
2036	784,001	274,400	509,601	34,042	376,460	(243,040)	679,526	995,679	(20,183,919)
2037	791,247	276,937	514,311	34,042	376,460	(245,287)	679,526	999,303	(21,183,221)
2038	791,247	276,937	514,311	34,042	376,460	(245,287)	679,526	999,303	(22,182,524)

Total Estimated Volume to +160 NGVD
Volume Depleted Through Fiscal Year 2007/2008
Remaining Volume based on 72.00 Acres of Class 3 Landfill

8,901,356
5,618,670
3,282,686

Assumptions:

- Average Annual Class 3 Growth Rate 1.17%
- Recycling/Reduction Rate 35.00%
- Recycling Growth Rate 0.00%
- Cover Material 5.00%
- Trash Density in Lbs per Cy 1,360
- Percent of NCRRF Unprocessibles to Class 3 100.00%
- Percent of Class 3 Material Diverted to Class 1 31.00%

Estimated Depletion

Class 3 Balanced Life	2015	2031
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Solid Waste Authority
Landfill Depletion Model
Table 4: Estimated Landfill Depletion Assuming Balanced Life - Current Two Boiler System

	Class 1 Landfill Volume Depleted	Class 3 Landfill Volume Depleted	Total Landfill Volume Depleted	Cumulative Class 1 Volume Depleted	Cumulative Class 3 Volume Depleted	Cumulative Percentage Volume	Cumulative Class 3 Percentage Volume	Landfill Volume Remaining
2009	881,363	500,235	1,381,598	12,271,789	6,118,905	66.73%	33.27%	29,227,512
2010	1,264,687	439,168	1,703,856	13,536,476	6,558,073	67.36%	32.64%	27,523,656
2011	1,465,839	443,677	1,909,516	15,002,315	7,001,751	68.18%	31.82%	25,614,140
2012	1,170,776	513,738	1,684,514	16,173,091	7,515,488	68.27%	31.73%	23,929,626
2013	1,228,324	518,390	1,746,714	17,401,416	8,033,878	68.41%	31.59%	22,182,912
2014	1,287,314	523,115	1,810,429	18,688,730	8,556,993	68.59%	31.41%	20,372,483
2015	1,347,782	527,915	1,875,697	20,036,512	9,084,908	68.80%	31.20%	18,496,786
2016	1,403,951	532,081	1,936,032	21,440,462	9,616,989	69.03%	30.97%	16,560,754
2017	1,461,401	536,304	1,997,705	22,901,863	10,153,293	69.28%	30.72%	14,563,049
2018	1,520,162	540,583	2,060,745	24,422,025	10,693,877	69.55%	30.45%	12,502,304
2019	1,580,264	544,920	2,125,184	26,002,288	11,238,797	69.82%	30.18%	10,377,120
2020	1,641,738	549,316	2,191,054	27,644,027	11,788,113	70.11%	29.89%	8,186,066
2021	1,700,951	553,342	2,254,293	29,344,977	12,341,455	70.39%	29.61%	5,931,773
2022	1,761,440	557,418	2,318,858	31,106,417	12,898,873	70.69%	29.31%	3,612,915
2023	1,823,235	561,543	2,384,778	32,929,652	13,460,416	70.98%	29.02%	1,228,137
2024	1,886,363	565,719	2,452,082	34,816,016	14,026,135	71.28%	28.72%	(1,223,945)
2025	1,950,855	569,945	2,520,800	36,766,871	14,596,080	71.58%	28.42%	(3,744,745)
2026	2,012,082	573,702	2,585,784	38,778,953	15,169,782	71.88%	28.12%	(6,330,528)
2027	2,074,542	577,499	2,652,041	40,853,494	15,747,281	72.18%	27.82%	(8,982,569)
2028	2,138,260	581,337	2,719,598	42,991,754	16,328,618	72.47%	27.53%	(11,702,167)
2029	2,203,264	585,216	2,788,480	45,195,018	16,913,835	72.77%	27.23%	(14,490,647)
2030	2,269,578	589,137	2,858,715	47,464,597	17,502,972	73.06%	26.94%	(17,349,363)
2031	2,332,377	592,580	2,924,957	49,796,973	18,095,552	73.35%	26.65%	(20,274,320)
2032	2,396,356	596,056	2,992,412	52,193,329	18,691,608	73.63%	26.37%	(23,266,731)
2033	2,461,538	599,564	3,061,102	54,654,867	19,291,172	73.91%	26.09%	(26,327,834)
2034	2,527,948	603,104	3,131,052	57,182,815	19,894,277	74.19%	25.81%	(29,458,886)
2035	2,595,607	606,678	3,202,285	59,778,422	20,500,954	74.46%	25.54%	(32,661,170)
2036	2,664,377	610,268	3,274,645	62,442,799	21,111,222	74.73%	25.27%	(35,935,815)
2037	2,734,439	613,891	3,348,330	65,177,238	21,725,113	75.00%	25.00%	(39,284,145)
2038	2,769,403	613,891	3,383,293	67,946,641	22,339,003	75.26%	24.74%	(42,667,439)

**Total Estimated Volume to +160 NGVD
Volume Depleted Through Fiscal Year 2007/2008
Remaining Volume**

**47,618,206
17,009,096
30,609,110**

Assumptions: See Table 1, Table 2, and Table 3.

Solid Waste Authority of Palm Beach County

Landfill Depletion Model

Table 4A: Estimated Landfill Depletion Assuming Balanced Life - Proposed Mass Burn Plant in 2015

	Class 1 Landfill Volume Depleted	Class 3 Landfill Volume Depleted	Total Landfill Volume Depleted	Cumulative Class 1 Volume Depleted	Cumulative Class 3 Volume Depleted	Cumulative Class 1 Percentage Volume	Cumulative Class 3 Percentage Volume	Landfill Volume Remaining
2009	881,363	500,235	1,381,598	12,271,789	6,118,905	66.73%	33.27%	29,227,512
2010	856,187	439,168	1,295,356	13,127,976	6,558,073	66.69%	33.31%	27,932,156
2011	1,057,339	443,677	1,501,016	14,185,315	7,001,751	66.95%	33.05%	26,431,140
2012	1,170,776	513,738	1,684,514	15,356,091	7,515,488	67.14%	32.86%	24,746,626
2013	1,228,324	518,390	1,746,714	16,584,416	8,033,878	67.37%	32.63%	22,999,912
2014	1,287,314	523,115	1,810,429	17,871,730	8,556,993	67.62%	32.38%	21,189,483
2015	247,720	799,695	1,047,415	18,119,450	9,356,688	65.95%	34.05%	20,142,068
2016	247,720	817,738	1,065,459	18,367,170	10,174,426	64.35%	35.65%	19,076,610
2017	247,720	836,154	1,083,875	18,614,890	11,010,581	62.83%	37.17%	17,992,735
2018	247,720	854,951	1,102,671	18,862,610	11,865,532	61.39%	38.61%	16,890,064
2019	247,720	874,137	1,121,857	19,110,330	12,739,669	60.00%	40.00%	15,768,206
2020	247,720	893,720	1,141,440	19,358,050	13,633,390	58.68%	41.32%	14,626,766
2021	247,720	912,376	1,160,096	19,605,770	14,545,765	57.41%	42.59%	13,466,670
2022	247,720	931,396	1,179,116	19,853,490	15,477,161	56.19%	43.81%	12,287,554
2023	263,235	946,955	1,210,190	20,116,725	16,424,116	55.05%	44.95%	11,077,364
2024	326,363	951,130	1,277,494	20,443,089	17,375,246	54.06%	45.94%	9,799,871
2025	390,855	955,356	1,346,212	20,833,944	18,330,603	53.20%	46.80%	8,453,659
2026	452,082	959,114	1,411,195	21,286,026	19,289,716	52.46%	47.54%	7,042,464
2027	514,542	962,911	1,477,453	21,800,567	20,252,628	51.84%	48.16%	5,565,011
2028	578,260	966,749	1,545,010	22,378,828	21,219,377	51.33%	48.67%	4,020,001
2029	643,264	970,628	1,613,892	23,022,092	22,190,005	50.92%	49.08%	2,406,109
2030	709,578	974,549	1,684,127	23,731,670	23,164,553	50.60%	49.40%	721,982
2031	772,377	977,992	1,750,369	24,504,047	24,142,546	50.37%	49.63%	(1,028,387)
2032	836,356	981,468	1,817,824	25,340,402	25,124,014	50.21%	49.79%	(2,846,210)
2033	901,538	984,976	1,886,514	26,241,941	26,108,989	50.13%	49.87%	(4,732,724)
2034	967,948	988,516	1,956,464	27,209,888	27,097,506	50.10%	49.90%	(6,689,188)
2035	1,035,607	992,090	2,027,696	28,245,495	28,089,595	50.14%	49.86%	(8,716,884)
2036	1,104,377	995,679	2,100,056	29,349,872	29,085,275	50.23%	49.77%	(10,816,941)
2037	1,174,439	999,303	2,173,742	30,524,311	30,084,577	50.36%	49.64%	(12,990,683)
2038	1,209,403	999,303	2,208,705	31,733,714	31,083,880	50.52%	49.48%	(15,199,388)

Total Estimated Volume to +160 NGVD
Volume Depleted Through Fiscal Year 2007/2008
Remaining Volume

47,618,206
17,009,096
30,609,110

Assumptions: See Table 1, Table 2, and Table 3.

Landfill Depletion Model 2009.xlsm 11/7/2008

APPENDIX B

HISTORICAL INCOMING WASTE TONNAGE

**Solid Waste Authority of Palm Beach County
Historical Solid Waste Tonnesages
Adjusted for Revised Solid Waste Densities**

8/5/86	Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn.	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
	OCT	0.00	0.00	32.85	23,716.52	0.00	273.71	23.91	0.00	118.75	0.00	42,504.37	0.00	1.74	329.35	3.75	0.00	22,933.28	3,407.00	93,345.03
	NOV	0.00	0.00	12.24	23,075.80	0.00	473.52	0.00	0.00	141.25	0.00	41,433.41	0.00	12.88	43.04	0.00	0.00	24,610.05	2,415.65	92,217.84
	DEC	0.00	0.00	58.18	27,322.69	0.00	181.56	17.25	0.00	37.50	0.00	45,837.13	0.00	0.18	1,124.52	0.00	0.00	23,147.46	2,041.56	98,768.03
	JAN	0.00	0.00	25.28	26,489.35	0.00	143.27	36.89	0.00	228.75	0.00	46,896.31	0.00	15.15	273.82	4.52	0.00	30,082.72	1,862.85	106,058.71
	FEB	0.00	0.00	25.61	22,411.99	0.00	111.69	4.37	0.00	43.75	0.00	43,533.76	603.38	0.84	209.93	4.25	0.00	21,172.99	2,015.95	90,138.51
	MAR	0.00	0.00	14.89	19,738.94	0.00	108.36	3.22	0.00	83.64	0.00	49,707.50	3,421.84	47.39	360.85	4.30	0.00	20,162.28	2,022.01	95,655.02
	APR	0.00	0.00	25.56	22,019.13	0.00	124.56	4.42	0.00	90.00	0.00	45,560.25	10,059.82	0.66	333.27	0.45	0.00	23,828.78	2,510.97	104,557.87
	MAY	0.00	0.00	57.31	17,657.65	0.00	65.71	0.00	0.00	18.75	0.00	44,131.03	18,623.31	32.85	77.54	3.55	0.00	24,849.83	2,815.36	108,132.89
	JUN	0.00	0.00	21.24	21,010.29	0.00	182.23	4.89	0.00	360.00	0.00	44,981.97	17,375.65	2.36	3,727.63	1.00	0.00	25,140.90	3,172.81	115,880.96
	JUL	0.00	0.00	9.71	18,951.68	0.00	212.54	10.09	0.00	438.75	0.00	45,445.73	11,316.05	2.15	74.82	1.00	0.00	27,363.67	3,076.43	108,902.61
	AUG	0.00	0.00	23.17	19,665.82	0.00	373.49	8.93	0.00	195.00	0.00	42,704.94	12,188.03	16.05	63.36	7.70	0.00	23,020.79	2,809.52	101,074.80
	SEP	0.00	0.00	40.82	25,350.12	0.00	439.80	4.68	0.00	38.92	0.00	44,138.87	13,578.23	19.09	806.22	3.67	0.00	22,406.48	2,573.91	109,198.80
	Total	0.00	0.00	346.66	267,409.95	0.00	2,690.44	118.65	0.00	1,773.06	0.00	536,775.27	87,164.31	151.34	7,223.95	34.19	0.00	288,518.24	30,724.02	1,222,931.09
	Average	0.00	0.00	28.89	22,284.16	0.00	224.20	9.89	0.00	147.78	0.00	44,731.27	7,263.69	12.61	602.00	2.85	0.00	24,043.27	2,560.34	101,910.92
	Percent	0.00%	0.00%	0.03%	21.67%	0.00%	0.22%	0.01%	0.00%	0.14%	0.00%	43.89%	7.13%	0.01%	0.59%	0.00%	0.00%	23.59%	2.51%	100.00%

8/5/87	Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
	OCT	0.00	0.00	28.36	33,776.62	0.00	393.77	0.00	0.00	48.75	0.00	45,630.98	18,590.42	4.58	290.22	2.30	0.00	18,833.42	2,899.80	118,295.22
	NOV	0.00	0.00	35.32	28,495.31	0.00	261.49	8.77	0.00	27.50	0.00	45,504.00	13,112.31	2.86	281.09	1.05	0.00	16,581.92	2,186.44	106,497.86
	DEC	0.00	0.00	62.87	31,451.67	0.00	413.85	44.54	0.00	57.32	0.00	55,055.42	11,845.30	1.27	269.71	8.33	0.00	16,425.12	2,097.92	117,733.31
	JAN	0.00	0.00	60.87	30,277.69	0.00	411.70	10.72	0.00	150.62	0.00	51,699.26	8,856.43	0.38	660.98	5.59	0.00	16,772.10	2,270.95	111,177.09
	FEB	0.00	0.00	100.20	29,516.31	0.00	1,078.77	7.71	0.00	85.25	0.00	47,977.67	9,284.84	1.68	117.89	2.50	0.00	18,070.80	2,079.60	108,323.02
	MAR	0.00	0.00	35.48	17,241.63	0.00	363.16	10.84	0.00	998.88	0.00	55,711.68	8,426.25	3.75	44.54	0.95	0.00	17,750.43	2,587.70	103,175.27
	APR	0.00	0.00	42.75	20,831.52	0.00	352.68	11.94	0.00	904.41	0.00	50,328.29	4,609.04	2.18	77.00	0.00	0.00	17,033.33	2,875.57	97,068.72
	MAY	0.00	0.00	77.52	23,435.69	0.00	305.82	0.00	0.00	322.29	0.00	48,980.85	4,957.82	12.12	3.93	3.90	0.00	16,032.65	2,521.97	96,634.27
	JUN	0.00	0.00	23.43	25,624.36	0.00	318.31	6.30	0.00	281.98	0.00	49,957.20	4,176.42	0.14	14.95	0.00	0.00	17,931.40	3,207.66	100,542.15
	JUL	0.00	0.00	33.14	24,345.24	0.00	300.39	0.00	0.00	208.12	0.00	49,594.90	3,889.55	10.04	39.45	1.25	0.00	17,884.48	3,288.51	99,565.06
	AUG	0.00	0.00	47.99	23,557.19	0.00	368.11	7.77	0.00	253.39	0.00	45,242.56	4,885.84	0.47	98.52	3.70	0.00	16,262.77	2,835.51	93,364.81
	SEP	0.00	0.00	96.14	22,985.71	0.00	434.22	3.51	0.00	288.68	0.00	48,129.41	4,062.24	8.01	286.98	0.00	0.00	18,587.31	2,980.59	97,762.80
	Total	0.00	0.00	643.85	311,438.92	0.00	5,002.27	112.10	0.00	3,627.19	0.00	592,762.22	94,496.26	47.28	2,185.96	29.57	0.00	208,163.74	31,632.22	1,250,143.56
	Average	0.00	0.00	53.65	25,953.24	0.00	416.86	9.34	0.00	302.27	0.00	49,396.85	7,874.69	3.94	162.16	2.46	0.00	17,347.14	2,636.02	104,178.63
	Percent	0.00%	0.00%	0.05%	24.91%	0.00%	0.40%	0.01%	0.00%	0.29%	0.00%	47.42%	7.56%	0.00%	0.17%	0.00%	0.00%	16.65%	2.53%	100.00%

SWA scale system output converts volume transactions to tonnes using assumed waste densities. Currently available information allows the retrieval of tonnage information on volume transactions. For 8/2/83 and on "actuals" are used. For prior years, assumed weights have been replaced with more accurate estimates based on reasonable and reliable density estimates. Animals not included due to inconsistent recording. Animal tonnage is insignificant.

8/788

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	0.00	210.76	23,142.60	0.00	203.09	7.83	0.00	307.68	0.00	50,145.73	3,761.04	0.55	216.55	0.00	0.00	18,797.22	3,223.35	100,018.39
NOV	0.00	0.00	211.58	21,954.85	0.00	75.88	3.82	0.00	899.80	0.00	50,279.05	3,069.82	0.24	182.25	0.00	0.00	17,028.29	2,546.12	96,231.30
DEC	0.00	0.00	215.23	22,949.80	0.00	93.09	9.50	0.00	318.23	0.00	53,532.36	2,812.24	3.67	1,052.80	1.82	0.00	16,727.88	1,860.80	99,677.01
JAN	0.00	0.00	45.98	20,303.32	0.00	182.03	35.04	0.00	224.83	0.00	52,228.10	4,137.48	0.74	83.03	1.12	0.00	17,945.73	1,270.15	96,437.34
FEB	0.00	0.00	71.86	19,236.14	0.00	205.13	14.48	0.00	929.91	0.00	53,829.24	3,425.54	0.80	940.59	0.00	0.00	17,840.77	1,274.36	97,768.82
MAR	0.00	0.00	124.40	24,563.60	0.00	138.00	8.63	0.00	940.87	0.00	58,845.36	3,345.92	0.55	19.45	7.24	0.00	18,832.27	1,554.55	108,380.83
APR	0.00	0.00	116.41	21,334.22	0.00	84.34	5.74	0.00	1,460.20	0.00	52,492.48	3,685.82	0.00	22.53	0.00	0.00	18,192.37	1,501.67	98,895.78
MAY	0.00	0.00	110.49	21,145.85	0.00	138.00	83.25	0.00	786.55	0.00	53,790.68	5,028.27	0.23	22.85	1.00	0.00	19,491.15	1,530.05	102,106.57
JUN	0.00	0.00	188.33	28,428.47	0.00	256.92	200.85	0.00	394.63	0.00	54,840.00	3,378.51	23.07	0.00	2.85	0.00	20,494.74	1,850.50	108,059.47
JUL	0.00	0.00	153.27	25,460.82	0.00	125.89	263.15	0.00	677.80	0.00	51,892.97	2,727.22	2.35	207.87	1.40	0.00	19,431.31	1,728.82	102,222.88
AUG	0.00	0.00	140.45	30,459.67	0.00	188.71	55.92	0.00	122.71	0.00	56,676.19	3,671.20	0.00	320.77	3.92	0.00	20,605.62	2,373.05	114,598.21
SEP	0.00	0.00	158.48	27,851.54	0.00	195.96	4.21	0.00	185.84	0.00	50,675.04	4,385.25	0.81	66.96	2.42	0.00	19,089.34	2,219.36	104,815.21
Total	0.00	0.00	1,745.24	284,330.84	0.00	1,848.44	672.22	0.00	7,228.65	0.00	639,227.20	42,978.11	33.01	3,115.45	21.37	0.00	224,478.49	23,032.78	1,229,209.80
Average	0.00	0.00	145.44	23,735.90	0.00	154.04	56.02	0.00	602.39	0.00	53,286.93	3,581.51	2.75	259.82	1.78	0.00	18,706.37	1,919.40	102,434.15
Percent	0.00%	0.00%	0.14%	23.17%	0.00%	0.15%	0.05%	0.00%	0.59%	0.00%	52.00%	3.50%	0.00%	0.25%	0.00%	0.00%	18.26%	1.87%	100.00%

8/889

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	0.00	87.89	26,181.30	0.00	148.86	3.98	0.00	180.12	0.00	52,270.66	3,934.36	3.99	81.09	7.27	0.00	19,745.70	2,979.17	105,604.20
NOV	0.00	0.00	115.50	20,594.23	0.00	85.51	3.21	0.00	134.98	0.00	55,707.52	4,168.18	2.84	8.56	3.65	0.00	20,423.35	2,816.71	104,042.22
DEC	0.00	0.00	22.82	19,791.84	0.00	59.12	36.39	0.00	78.28	0.00	57,471.58	4,655.35	1.51	54.53	2.25	0.00	20,760.60	3,043.60	105,877.87
JAN	0.00	0.00	36.53	18,400.88	0.00	221.87	4.54	0.00	196.23	0.00	60,790.77	4,118.88	2.24	73.82	2.75	0.00	21,503.73	2,531.37	107,883.60
FEB	0.00	0.00	10.38	18,628.32	0.00	155.11	0.00	0.00	401.14	0.00	54,988.22	8,719.88	2.12	1.90	0.00	0.00	21,886.88	2,437.62	103,242.34
MAR	0.00	0.00	18.98	18,882.59	0.00	150.81	0.00	0.00	389.27	0.00	63,944.25	7,583.63	20.20	28.09	2.80	0.00	26,238.49	2,993.14	120,050.28
APR	0.00	0.00	21.40	19,338.78	0.00	120.56	20.54	0.00	579.52	0.00	57,997.92	4,788.47	5.33	7.79	2.12	0.00	23,904.27	3,076.20	109,862.89
MAY	0.00	0.00	27.21	17,833.23	0.00	57.52	4.79	0.00	959.36	0.00	62,303.68	5,934.25	6.65	0.16	0.00	0.00	27,354.77	3,292.18	117,573.97
JUN	0.00	0.00	7.74	18,338.71	0.00	59.44	232.87	0.00	1,156.07	0.00	58,867.27	6,022.51	0.94	14.88	0.00	0.00	26,286.47	3,557.21	114,545.90
JUL	0.00	0.00	0.00	19,422.48	0.00	104.99	421.12	0.00	870.20	0.00	56,349.08	3,449.17	0.94	3,600.13	0.00	0.00	24,201.07	3,230.77	111,649.95
AUG	0.00	0.00	44.01	22,220.82	0.00	128.50	391.36	0.00	802.56	0.00	58,738.55	3,791.56	1.18	8.85	3.65	0.00	27,373.20	3,348.82	116,852.85
SEP	0.00	0.00	54.96	17,290.95	0.00	123.76	123.09	0.00	816.26	0.00	53,989.32	2,401.99	0.28	21.99	1.20	0.00	27,657.25	3,247.14	105,709.20
Total	0.00	0.00	447.23	234,524.89	0.00	1,396.05	1,241.89	0.00	6,543.99	0.00	683,409.02	57,567.99	48.22	3,699.59	25.69	0.00	287,335.77	36,553.91	1,322,994.25
Average	0.00	0.00	37.27	19,543.74	0.00	116.34	103.49	0.00	545.33	0.00	57,784.09	4,797.33	4.02	324.97	2.14	0.00	23,944.65	3,046.16	110,248.52
Percent	0.00%	0.00%	0.03%	17.73%	0.00%	0.11%	0.09%	0.00%	0.49%	0.00%	52.41%	4.35%	0.00%	0.29%	0.00%	0.00%	21.72%	2.76%	100.00%

8/890

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	0.00	34.55	15,313.72	0.00	86.78	9.28	0.00	478.68	0.00	56,519.68	2,248.03	0.71	2.55	2.00	0.00	24,348.26	2,919.45	101,943.88
NOV	0.00	0.00	6.85	14,758.80	0.00	188.91	9.31	0.00	498.72	0.00	57,318.34	1,997.30	0.01	0.00	0.00	0.00	22,957.82	2,555.62	100,291.88
DEC	0.00	0.00	13.63	13,037.13	0.00	190.40	2.82	0.00	455.70	0.00	56,619.71	1,835.76	0.80	23.68	0.00	0.00	20,140.62	807.94	93,127.97
JAN	0.00	0.00	63.78	11,003.99	0.00	334.94	5.72	0.00	544.58	0.00	66,580.11	1,929.79	0.00	5.82	3.14	0.00	28,276.96	2,858.09	111,386.91
FEB	0.00	0.00	107.26	11,903.85	0.00	132.15	5.32	0.00	332.27	0.00	45,456.98	2,487.67	1.82	364.42	1.50	0.00	23,693.25	2,408.02	86,874.51
MAR	0.00	0.00	121.91	14,178.32	0.00	117.73	13.22	0.00	232.16	0.00	61,876.38	2,280.23	1.15	98.84	5.87	0.00	24,046.59	2,418.85	105,380.24
APR	0.00	0.00	70.06	8,975.38	0.00	143.65	92.00	0.00	283.16	0.00	59,283.07	1,999.96	1.57	28.23	1.25	0.00	21,568.82	2,035.72	94,480.87
MAY	0.00	175.80	95.68	9,695.40	0.00	164.30	1.01	0.00	329.18	0.00	59,631.02	1,758.35	0.08	3.38	6.81	0.00	23,251.28	1,920.19	97,052.27
JUN	0.00	728.91	53.07	9,083.53	0.00	92.51	6.20	0.00	750.67	0.00	56,762.99	2,060.84	0.17	52.03	8.21	0.00	23,143.72	1,720.30	94,463.15
JUL	0.00	219.05	37.98	9,191.74	0.00	237.13	3.03	0.00	406.45	0.00	56,961.91	2,328.84	0.00	9.94	0.00	0.00	24,150.09	1,915.79	95,361.94
AUG	0.00	0.00	77.17	8,960.82	0.00	339.17	8.47	0.00	356.32	0.00	57,663.01	1,715.79	0.13	14.82	7.28	0.00	26,692.09	1,814.19	97,849.26
SEP	0.00	14.29	81.25	7,838.11	0.00	151.48	51.45	0.00	348.85	0.00	51,194.57	1,042.39	0.00	118.67	5.12	0.00	20,909.52	1,605.17	83,340.87
Total	0.00	1,138.05	743.20	133,940.77	0.00	2,179.15	207.63	0.00	5,007.94	0.00	685,847.77	23,664.95	6.42	720.36	40.98	0.00	283,177.01	24,779.33	1,161,453.56
Average	0.00	94.84	61.93	11,161.73	0.00	161.60	17.30	0.00	417.33	0.00	57,153.98	1,972.08	0.54	60.03	3.42	0.00	23,598.08	2,064.94	96,787.80
Percent	0.00%	0.10%	0.06%	11.53%	0.00%	0.19%	0.02%	0.00%	0.43%	0.00%	59.05%	2.04%	0.00%	0.06%	0.00%	0.00%	24.38%	2.13%	100.00%

90291

	worm	Animals	near	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	81.97	47.00	15,023.85	0.00	155.57	2,944.28	2.79	2,282.29	23.19	60,219.29	2,635.54	0.82	97.73	0.00	0.00	16,930.47	2,387.97	102,815.55
NOV	0.00	152.42	112.59	12,342.72	0.00	123.36	2,921.79	333.82	914.45	20.37	56,903.50	1,195.99	0.54	0.96	1.30	0.00	13,911.55	1,876.25	90,811.81
DEC	0.00	551.38	88.92	8,354.20	0.00	106.59	3,487.84	180.14	615.22	34.28	56,938.83	1,833.42	1.44	22.60	4.11	0.00	12,584.98	1,548.83	87,870.84
JAN	0.00	162.13	31.28	9,376.26	0.00	197.17	3,676.14	405.14	619.44	28.88	65,854.11	1,284.45	2.29	27.50	7.10	0.00	14,351.88	1,743.10	97,768.87
FEB	0.00	110.51	50.75	10,874.66	0.00	173.16	3,591.33	501.01	650.82	19.83	57,626.91	1,519.55	0.89	43.23	0.00	0.00	12,742.73	1,741.77	89,646.95
MAR	0.00	99.10	120.83	11,729.20	0.00	170.90	19.29	523.50	730.80	18.10	61,303.55	2,064.84	0.51	15.54	2.40	0.00	14,078.65	2,060.78	92,937.77
APR	0.00	38.37	24.84	10,741.84	0.00	173.18	6,368.85	264.17	480.14	24.89	63,033.24	2,393.04	0.22	6.48	0.00	0.00	14,569.79	2,130.92	100,249.97
MAY	0.00	18.62	10.70	10,753.04	0.00	513.74	4,164.88	217.91	760.23	25.62	59,583.95	2,370.90	0.25	7.88	0.00	0.00	14,371.58	2,330.96	95,130.05
JUN	0.00	49.02	55.42	10,355.46	0.00	975.99	3,713.10	85.43	760.24	24.41	52,543.94	748.90	0.07	19.30	0.00	0.00	13,240.29	2,428.46	85,000.03
JUL	0.00	17.41	75.77	10,986.06	0.00	275.30	2,332.08	858.40	344.48	17.92	57,463.19	1,312.80	107.00	6.70	0.00	0.00	15,384.84	2,501.05	91,683.00
AUG	0.00	6.31	160.56	9,787.51	0.00	1,365.18	2,732.13	894.21	483.80	8.14	53,990.34	2,419.23	0.13	7.33	0.00	1,612.39	13,291.99	2,652.12	89,421.16
SEP	0.00	12.34	69.50	9,912.47	0.00	236.89	3,607.27	269.53	551.36	14.34	52,055.03	8,429.70	0.70	20.06	0.00	2,294.24	12,862.70	2,807.03	93,943.16
Total	0.00	1,299.58	848.16	130,249.25	0.00	4,487.03	39,558.98	4,373.91	9,193.07	299.77	689,515.88	28,211.18	114.66	275.11	14.91	3,906.63	167,801.44	26,289.22	1,116,378.76
Average	0.00	108.30	70.88	10,854.10	0.00	372.25	3,286.58	364.49	766.09	21.65	58,292.99	2,350.93	9.56	22.93	1.24	325.55	13,983.45	2,190.77	93,031.56
Percent	0.00%	0.12%	0.08%	11.67%	0.00%	0.40%	3.84%	0.39%	0.82%	0.02%	62.68%	2.53%	0.01%	0.02%	0.00%	0.35%	15.03%	2.35%	100.00%

91292

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	97.97	60.44	14,291.72	0.00	388.07	5,653.25	126.68	633.89	11.74	59,194.73	5,611.94	0.33	13.20	8.08	3,360.38	17,724.19	3,036.68	110,195.28
NOV	0.00	50.14	31.27	11,422.81	0.00	203.73	5,892.20	348.30	402.53	5.14	55,735.10	3,220.66	0.46	4.19	0.00	585.82	15,615.25	2,392.27	95,899.67
DEC	0.00	125.20	207.95	10,238.59	0.00	305.73	4,621.20	93.86	302.03	4.28	61,957.35	1,891.35	0.49	777.78	0.00	39.12	14,068.06	2,606.02	97,239.00
JAN	0.00	74.80	247.83	10,700.41	0.00	203.96	6,149.55	700.52	556.79	9.78	61,899.91	3,126.39	1.33	42.50	0.00	49.29	15,507.89	2,327.81	101,598.74
FEB	0.00	47.65	50.30	9,091.28	0.00	281.68	5,901.09	907.57	819.70	8.08	57,714.58	4,371.96	0.57	16.10	6.92	116.04	14,135.61	1,984.27	95,413.40
MAR	0.00	98.03	88.50	8,953.63	0.00	329.54	5,885.62	787.74	517.66	5.45	62,950.86	1,891.59	1.07	15.87	0.00	140.89	14,994.37	2,391.42	98,852.84
APR	0.00	172.15	61.54	9,295.16	0.00	342.67	5,403.70	663.97	481.84	3.65	59,248.00	1,754.76	2.12	12.23	0.00	843.81	14,924.16	2,368.89	95,578.65
MAY	0.00	80.29	77.87	8,078.46	0.00	333.78	6,094.16	565.52	598.91	4.21	53,688.53	1,533.85	0.48	8.81	0.00	827.11	14,408.37	2,337.96	89,358.09
JUN	0.00	25.81	86.78	8,445.59	0.00	534.43	3,918.78	877.36	1,154.30	5.59	58,559.67	1,040.53	5.71	21.28	0.00	1,177.30	16,482.16	2,717.63	95,052.91
JUL	0.00	127.42	105.47	10,180.89	0.00	426.52	3,572.38	638.21	616.49	4.36	53,841.19	1,533.45	0.00	29.84	4.94	1,120.77	17,079.69	2,597.87	91,879.49
AUG	0.00	25.72	30.74	9,716.42	0.00	438.89	3,357.42	631.90	682.15	15.04	53,688.20	1,336.98	0.17	17.20	0.00	983.06	14,844.67	3,157.92	88,928.48
SEP	0.00	148.34	43.33	9,384.14	0.00	506.17	4,205.66	582.92	783.88	4.54	54,287.71	1,312.58	1.45	40.38	5.49	613.00	16,212.91	3,982.82	92,054.87
Total	0.00	1,794.52	1,092.02	119,778.89	0.00	4,295.15	60,545.01	6,904.55	7,549.95	81.84	692,783.63	28,425.82	14.18	999.36	25.43	9,856.39	185,397.33	31,863.36	1,152,047.42
Average	0.00	149.54	91.00	9,981.57	0.00	354.60	5,053.75	575.38	629.16	6.82	57,730.30	2,368.82	1.18	83.28	2.12	821.37	15,498.78	2,655.28	96,003.95
Percent	0.00%	0.16%	0.09%	10.40%	0.00%	0.37%	5.26%	0.60%	0.66%	0.01%	60.13%	2.47%	0.00%	0.09%	0.00%	0.86%	16.14%	2.77%	100.00%

92293

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	77.35	14.38	10,903.42	0.00	355.68	3,533.10	321.79	376.56	3.01	52,221.19	901.68	0.12	4.19	8.19	220.34	13,869.03	5,002.03	87,812.04
NOV	0.00	380.79	27.92	8,825.62	0.00	394.90	2,548.39	428.23	302.53	1.50	55,468.68	561.06	0.45	21.22	0.00	2,157.91	11,487.47	3,756.22	86,343.89
DEC	0.00	331.07	27.28	9,499.07	0.00	552.32	5,181.17	310.89	444.92	14.05	58,058.88	2,900.00	1.21	19.42	0.00	5,062.81	13,145.16	3,909.95	98,856.20
JAN	0.00	173.81	40.13	9,114.27	0.00	434.67	6,400.80	188.23	341.62	8.81	60,202.58	1,050.70	0.71	41.92	3.83	4,579.96	12,551.50	4,215.28	99,346.22
FEB	0.00	14.40	23.15	9,584.71	0.00	478.89	5,723.80	152.05	617.92	2.32	54,269.58	735.62	0.70	0.54	53.51	3,976.35	12,382.16	4,007.23	92,022.93
MAR	0.00	75.68	110.47	8,841.61	0.00	530.04	6,273.66	121.48	491.57	7.54	66,710.54	2,392.36	0.98	336.72	0.00	7,070.72	16,866.14	8,196.21	118,027.70
APR	0.00	34.12	76.43	9,944.01	0.00	383.12	5,193.91	79.52	56.98	9.32	60,680.25	2,131.30	1.27	63.35	11.05	5,985.82	16,724.81	6,605.81	107,981.07
MAY	0.00	227.65	42.28	9,593.94	0.00	486.49	4,684.85	78.87	0.00	3.83	54,408.59	1,060.04	0.35	34.43	0.00	4,944.42	14,048.62	5,107.11	94,701.45
JUN	0.00	594.37	5.13	9,488.19	0.00	709.25	2,881.08	123.27	0.00	5.47	58,938.35	478.75	0.00	0.88	2.47	4,029.72	17,305.44	5,757.86	98,270.21
JUL	0.00	0.00	22.51	8,472.31	0.00	485.69	2,499.41	83.05	0.00	11.07	53,887.84	546.89	0.00	8.05	0.00	3,964.97	15,397.63	4,623.59	89,881.01
AUG	0.00	0.00	14.73	9,584.47	0.00	400.00	2,210.00	73.47	0.00	6.02	55,685.09	1,060.26	0.00	10.20	2.14	3,433.70	16,182.33	6,013.31	94,736.02
SEP	0.00	0.00	19.50	9,200.25	0.00	1,989.37	1,842.74	125.07	0.00	8.33	54,527.79	1,013.15	0.00	100.88	14.12	4,910.03	15,750.49	6,438.13	95,719.85
Total	0.00	1,859.04	423.89	113,031.87	0.00	7,270.72	48,733.71	2,083.90	2,632.10	81.27	683,039.36	14,231.79	5.79	639.78	95.11	50,226.75	175,710.78	63,834.73	1,163,706.59
Average	0.00	154.92	35.32	9,419.32	0.00	605.89	4,061.14	173.66	219.34	6.77	56,919.95	1,185.98	0.48	53.32	7.93	4,185.56	14,642.57	5,302.89	96,873.05
Percent	0.00%	0.16%	0.04%	9.71%	0.00%	0.62%	4.19%	0.18%	0.23%	0.01%	58.70%	1.22%	0.00%	0.05%	0.01%	4.32%	15.10%	5.47%	100.00%

93/94

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	0.00	15.93	10,898.23	0.00	348.29	2,527.73	326.60	0.00	7.53	57,951.42	921.08	0.00	0.00	0.00	36.45	13,920.78	5,952.24	92,904.28
NOV	0.00	0.00	9.15	9,295.81	0.00	236.24	2,049.84	259.28	0.00	4.24	62,388.65	947.14	1.04	26.25	4.38	126.35	13,600.95	5,891.84	94,640.96
DEC	0.00	0.00	7.92	8,534.30	0.00	318.83	3,862.78	214.95	0.00	12.35	63,047.82	555.88	0.00	5.46	2.63	38.00	13,519.71	5,135.75	95,232.18
JAN	0.00	0.00	0.35	6,278.81	0.00	236.84	3,865.13	96.45	2.50	7.75	65,347.52	1,754.17	0.00	1.90	0.00	105.57	14,138.58	5,471.88	97,105.25
FEB	0.00	0.00	2.00	8,307.13	0.00	253.80	3,296.75	141.71	4.59	5.88	62,027.92	1,343.54	0.00	5.35	0.00	48.83	12,715.75	5,618.47	91,771.72
MAR	0.00	0.00	2.80	9,042.00	0.00	284.63	4,981.57	270.71	0.00	7.68	67,724.24	1,384.55	0.00	18.64	12.20	104.71	17,727.87	7,880.00	109,221.61
APR	0.00	0.00	0.00	6,295.71	0.00	423.58	3,881.48	288.96	461.88	7.78	62,891.49	1,738.27	0.00	0.11	0.00	51.21	18,596.09	7,319.86	99,957.16
MAY	0.00	0.00	0.00	8,898.98	0.00	377.93	4,172.70	190.47	3,060.32	3.12	60,920.42	742.46	0.00	2.22	0.00	87.42	17,328.07	8,872.39	102,454.50
JUN	0.00	0.00	2.02	5,636.53	0.00	221.16	3,419.74	138.00	3,685.28	6.58	61,485.20	1,400.25	0.00	2.89	5.77	48.30	16,592.79	11,183.68	103,827.99
JUL	0.00	0.00	0.21	5,197.67	0.00	208.80	3,820.97	132.24	8,816.33	1.12	53,447.78	1,223.95	0.00	1.37	0.00	64.41	14,884.40	9,784.87	95,197.90
AUG	0.00	0.00	10.50	5,050.35	0.00	494.78	4,393.45	150.32	6,128.79	8.80	60,436.48	2,871.95	0.00	0.88	0.00	33.21	15,023.95	12,306.78	106,909.04
SEP	0.00	0.00	1.82	4,376.04	0.00	200.89	4,016.09	153.86	8,411.05	7.45	58,355.67	900.89	0.09	0.89	0.92	37.79	15,147.24	11,711.81	99,322.30
Total	0.00	0.00	52.70	83,888.36	0.00	3,001.35	44,068.81	2,383.55	28,391.54	78.87	734,024.59	15,764.13	1.13	69.78	25.90	760.25	180,996.18	96,539.17	1,188,544.89
Average	0.00	0.00	4.39	6,984.05	0.00	300.11	3,672.33	196.96	2,198.30	6.51	61,166.72	1,313.68	0.09	5.81	2.16	83.35	15,083.02	8,044.93	99,045.41
Percent	0.00%	0.00%	0.00%	7.05%	0.00%	0.30%	3.71%	0.20%	2.22%	0.01%	81.78%	1.33%	0.00%	0.01%	0.00%	0.06%	15.23%	8.12%	100.00%

94/95

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furniture	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	0.00	0.00	5,613.06	0.00	202.61	4,839.19	214.12	9,027.82	10.12	57,408.88	1,606.89	0.00	8.08	0.00	19.50	13,852.18	12,080.84	104,682.89
NOV	0.00	0.00	1.97	4,484.08	0.00	184.84	4,102.55	204.06	6,342.22	5.18	63,172.81	1,175.89	0.00	12.21	13.24	29.88	14,143.77	13,141.75	106,994.05
DEC	0.00	0.00	0.00	5,763.37	0.00	191.33	5,677.98	208.80	833.47	13.07	67,147.84	818.11	0.00	3.14	0.00	11.59	14,621.54	12,004.79	107,292.81
JAN	0.00	0.00	0.00	7,831.11	0.00	226.85	6,158.41	238.23	1,807.99	2.74	64,057.30	1,579.91	0.00	0.00	0.00	10.81	13,118.35	11,430.78	106,061.46
FEB	0.00	0.00	4.65	5,355.27	0.00	463.72	5,417.67	181.87	1,416.42	2.85	57,401.18	2,525.08	0.00	7.80	0.00	48.08	10,891.54	10,027.78	93,741.89
MAR	0.00	0.00	4.10	7,823.84	0.00	800.86	6,077.03	235.31	2,509.41	1.49	64,831.59	7,302.05	0.00	0.00	13.25	23.37	13,259.26	12,993.26	115,904.93
APR	0.00	0.00	10.51	6,420.77	0.00	323.54	4,883.70	220.77	2,739.72	4.27	57,687.78	2,796.72	0.00	0.00	0.00	23.90	12,583.10	11,631.56	98,946.32
MAY	0.00	0.00	1.13	7,308.66	0.00	148.32	5,265.93	237.87	3,901.20	2.11	61,356.02	3,000.30	0.00	8.36	0.00	12.43	13,444.69	12,966.37	107,653.39
JUN	0.00	0.00	1.93	5,473.81	0.00	191.70	4,381.86	179.77	3,357.07	3.09	59,898.47	1,774.45	0.00	1.89	0.00	18.11	13,712.41	13,554.72	102,530.08
JUL	0.00	0.00	0.73	5,676.58	0.00	122.51	4,879.20	156.66	2,282.42	0.20	56,095.61	1,686.89	0.00	21.83	0.00	22.30	13,850.54	11,846.61	96,441.86
AUG	0.00	0.00	0.43	6,887.81	0.00	186.29	4,063.45	334.92	2,270.35	2.15	60,087.61	2,989.14	0.19	38.80	1.68	23.92	12,726.66	11,385.38	100,958.76
SEP	0.00	0.00	2.20	8,385.02	0.00	149.53	4,019.48	503.70	1,171.57	5.50	55,633.63	2,684.50	0.09	0.00	0.00	288.87	11,947.97	12,312.88	97,084.72
Total	0.00	0.00	27.85	76,803.38	0.00	3,190.90	59,346.41	2,913.70	37,099.66	52.77	724,759.30	29,989.73	0.28	101.71	28.15	530.54	158,152.32	145,356.48	1,238,282.96
Average	0.00	0.00	2.30	6,400.28	0.00	282.56	4,945.53	242.81	3,091.64	4.40	60,396.81	2,497.48	0.02	8.48	2.35	44.21	13,179.36	12,113.04	103,191.08
Percent	0.00%	0.00%	0.00%	8.20%	0.00%	0.25%	4.79%	0.24%	3.00%	0.00%	58.53%	2.42%	0.00%	0.01%	0.00%	0.04%	12.77%	11.74%	100.00%

95/96

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn.	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	0.00	0.00	5.49	8,306.43	0.00	150.58	3,529.75	839.43	1,103.24	0.30	62,568.40	713.09	0.00	2.48	0.00	109.85	14,031.60	10,258.85	101,419.49
NOV	0.00	0.00	0.47	7,577.50	0.00	165.44	3,848.98	151.54	1,170.79	5.80	59,920.30	1,236.95	0.00	0.51	0.00	30.75	11,877.89	9,065.06	95,051.78
DEC	0.00	0.00	0.09	6,486.83	0.00	146.73	4,637.98	196.79	1,110.82	4.64	60,711.75	1,830.56	0.00	6.21	0.00	23.32	11,758.81	8,828.18	93,540.71
JAN	0.00	0.00	0.00	8,199.45	0.00	164.29	5,781.94	355.70	1,086.16	4.97	67,707.15	30.16	0.00	0.00	0.00	49.41	14,589.88	6,771.91	104,741.00
FEB	0.00	0.00	0.19	8,921.47	0.00	315.23	6,827.95	216.42	1,240.79	2.55	60,711.78	30.16	0.00	1.75	0.00	6.85	12,744.83	8,980.11	97,949.92
MAR	0.00	0.00	0.00	9,752.83	0.00	145.62	6,749.53	212.88	1,240.66	5.14	64,177.95	0.00	0.00	0.00	0.00	7.23	12,201.38	7,629.74	102,410.12
APR	0.00	0.00	0.00	11,704.69	0.00	273.41	6,596.68	285.33	1,489.64	2.62	64,890.18	0.00	0.00	1.92	0.00	21.58	13,827.35	7,629.74	106,899.47
MAY	0.00	0.00	0.37	9,956.33	0.00	186.96	5,877.02	253.66	1,165.88	2.70	64,875.94	0.00	0.00	0.00	3.41	15.31	14,642.38	11,385.54	108,455.50
JUN	0.00	0.00	0.22	9,174.17	0.00	65.15	4,261.28	142.95	1,704.25	4.08	58,741.40	0.00	0.00	0.00	1.77	82.75	12,867.57	11,084.11	98,089.70
JUL	0.00	0.00	0.00	9,420.41	0.00	63.50	3,893.83	168.17	4,162.89	4.62	61,493.70	0.00	0.00	1.11	4.59	9.05	14,742.65	10,223.82	103,886.34
AUG	0.00	0.00	0.03	9,588.82	0.00	152.44	4,174.49	162.07	3,233.39	6.98	59,474.35	0.00	0.00	0.00	0.00	1.16	13,545.50	10,894.01	101,031.24
SEP	0.00	0.00	2.35	9,021.73	0.00	83.17	3,486.62	324.83	2,771.44	2.51	57,535.10	0.00	0.00	0.00	0.00	5.58	13,330.75	11,579.33	98,143.21
Total	0.00	0.00	9.21	108,108.46	0.00	1,922.52	59,536.06	3,107.37	21,963.95	48.91	742,807.98	3,610.76	0.00	24.01	8.00	342.84	159,958.35	110,072.06	1,211,518.48
Average	0.00	0.00	0.77	9,005.04	0.00	160.21	4,981.34	256.95	1,830.33	3.91	61,900.67	300.90	0.00	2.00	0.67	28.57	13,328.86	9,172.67	100,959.87
Percent	0.00%	0.00%	0.00%	8.92%	0.00%	0.16%	4.91%	0.26%	1.81%	0.00%	61.31%	0.30%	0.00%	0.00%	0.00%	0.03%	13.20%	9.09%	100.00%

9/97

Month	Animals	Ref	Asbestos	CID	Residue	Tires	Sludge	Direct	Fill	Fum.	Garbage	LC	Pesticide	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	24.08	0.00	0.00	4,899.37	2,604.72	74.95	5,062.65	299.32	3,420.44	9.87	63,684.82	0.00	0.00	0.30	0.00	25.27	12,500.11	12,159.05	104,794.95
NOV	25.16	0.00	0.00	3,735.92	3,700.11	64.80	4,816.39	251.30	2,871.07	9.85	60,493.45	0.00	0.00	0.00	1.23	7.40	9,107.87	10,911.88	96,063.73
DEC	32.73	0.00	0.00	3,539.05	3,364.94	121.22	6,343.78	253.38	2,370.37	8.20	68,224.89	0.00	0.00	0.00	0.00	4.25	9,110.56	7,844.40	102,155.57
JAN	30.40	0.00	0.00	4,926.70	2,674.21	105.04	7,023.80	359.02	1,726.88	5.61	69,890.70	0.00	0.00	0.00	0.00	0.00	11,397.53	9,101.15	107,241.04
FEB	38.48	0.00	0.00	5,586.94	2,458.25	137.71	5,184.91	143.22	1,943.51	4.82	64,004.73	0.00	0.00	0.00	0.00	0.00	10,277.50	8,723.87	98,523.18
MAR	25.11	0.00	0.05	3,689.92	2,483.20	66.34	5,759.53	187.09	853.66	5.71	69,172.09	0.00	0.00	0.00	0.00	0.00	10,792.54	10,725.87	103,776.32
APR	29.80	0.00	0.54	3,869.09	2,559.37	154.13	4,690.37	237.72	1,172.89	4.97	67,867.76	0.00	0.00	0.00	0.00	0.00	11,769.09	10,722.18	103,220.31
MAY	24.29	0.00	1.29	3,551.83	3,433.44	62.48	4,838.42	194.88	1,295.94	4.71	66,075.02	0.00	0.00	0.00	0.00	0.00	11,390.90	11,390.90	102,226.80
JUN	24.27	0.00	0.00	4,166.48	3,215.69	109.49	3,227.39	185.34	1,808.05	5.57	65,657.00	0.00	0.00	0.00	0.00	0.00	11,111.11	11,111.11	105,118.09
JUL	27.17	0.00	6.29	4,738.95	3,393.17	106.50	3,323.82	143.17	779.05	7.73	62,495.40	0.00	0.00	0.00	0.00	0.00	12,539.44	14,122.95	106,777.48
AUG	24.28	0.00	0.00	5,565.27	3,561.30	174.93	3,555.21	155.23	1,135.23	6.11	61,959.68	0.00	0.00	0.00	0.00	0.00	12,539.44	12,539.44	106,777.48
SEP	22.07	0.00	0.00	4,599.54	2,210.41	97.91	4,044.28	119.86	174.06	4.63	63,488.23	0.00	0.00	0.00	0.00	0.00	12,813.16	15,228.09	108,702.92
Total	327.85	0.00	8.35	52,868.06	35,658.81	1,275.50	57,900.55	2,488.31	18,550.95	75.58	783,111.57	0.00	0.00	0.00	3.16	17.87	1,189.10	146,074.88	1,411,866.62
Average	27.32	0.00	0.70	4,402.67	2,971.57	106.29	4,825.05	207.44	1,629.25	6.30	65,298.30	0.00	0.00	0.00	0.27	1.47	99.09	12,172.91	11,765.55
Percent	0.03%	0.00%	0.00%	4.27%	2.88%	0.10%	4.87%	0.20%	1.56%	0.01%	63.19%	0.00%	0.00%	0.00%	0.00%	0.10%	11.79%	11.39%	100.00%

9/98

Month	Animals	Ref	Asbestos	CID	Residue	Tires	Sludge	Direct	Fill	Fum.	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	30.03	0.00	3.58	5,117.25	886.18	118.58	4,658.74	125.89	1,116	6.11	63,964.20	0.00	0.00	0.00	4.28	1,371.62	14,386.30	16,310.09	106,975.94
NOV	29.31	0.00	0.13	3,393.36	1,101.40	106.00	4,756.44	153.59	1,512.54	6.97	61,556.38	0.00	0.00	0.00	0.00	5.99	2,867.70	15,056.04	14,171.71
DEC	29.28	0.00	0.01	3,558.46	3,205.38	210.00	5,623.69	186.24	2,436.99	4.43	76,370.40	0.00	0.00	0.00	0.00	0.00	933.89	26,734.87	12,500.23
JAN	30.08	0.00	0.00	3,846.19	1,777.57	162.35	5,356.55	238.28	1,090.95	9.48	73,860.62	0.00	0.00	0.00	1.33	2.91	1,782.50	18,028.13	13,811.48
FEB	36.99	0.00	0.00	4,012.11	1,358.45	188.23	4,859.63	473.34	549.54	4.75	68,785.89	0.00	0.00	0.00	0.00	0.00	404.81	13,510.78	15,576.43
MAR	36.57	0.00	0.54	4,359.51	1,040.02	148.89	5,910.31	290.97	758.58	8.37	74,819.39	0.00	0.00	0.00	0.00	0.00	430.69	13,989.24	15,576.43
APR	23.67	0.00	0.00	4,552.77	1,130.87	244.69	5,862.41	221.24	985.41	6.69	69,318.43	0.00	0.00	0.00	0.00	0.00	249.50	15,335.40	15,897.53
MAY	28.53	0.00	0.00	5,992.04	1,139.68	131.46	4,937.82	123.83	1,681.89	7.87	65,843.07	0.00	0.00	0.00	0.00	0.00	646.33	15,492.87	15,897.53
JUN	24.76	0.00	0.00	5,364.35	1,013.57	139.84	4,872.86	172.25	3,369.46	4.13	67,419.02	0.00	0.00	0.00	0.00	0.00	542.72	13,737.85	16,116.31
JUL	23.03	0.00	0.18	4,437.23	785.44	133.26	4,153.95	132.06	2,686.90	8.44	87,193.38	0.00	0.00	0.00	0.00	0.00	323.20	14,867.14	16,981.46
AUG	30.00	0.00	0.13	4,747.50	671.25	186.66	3,731.75	245.17	1,373.54	8.10	64,250.48	0.00	0.00	0.00	0.00	0.00	434.41	14,174.91	16,781.69
SEP	26.91	0.00	0.00	4,666.82	935.08	132.80	3,807.38	156.46	1,984.73	8.18	67,366.88	0.00	0.00	0.00	0.00	0.00	408.72	14,759.49	17,146.63
Total	349.16	0.00	5.09	55,035.59	15,044.97	1,914.74	58,331.53	2,488.31	18,401.69	83.52	820,740.14	0.00	0.00	0.00	15.58	10.39	1,396.09	190,075.02	1,863,317.95
Average	28.10	0.00	0.42	4,586.30	1,253.75	159.56	4,860.96	208.26	1,533.47	6.96	66,393.01	0.00	0.00	0.00	1.30	0.86	86.34	15,635.59	15,626.50
Percent	0.03%	0.00%	0.00%	4.05%	1.11%	0.14%	4.28%	0.18%	1.35%	0.01%	60.38%	0.00%	0.01%	0.00%	0.00%	0.76%	13.98%	13.71%	100.00%

9/99

Month	Animals	Ref	Asbestos	CID	Residue	Tires	Sludge	Direct	Fill	Fum.	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	28.82	0.00	0.00	7,130.23	1,501.06	343.84	4,015.31	170.98	2,080.61	8.46	67,524.06	0.00	0.00	0.00	2.12	558.47	15,608.93	17,343.25	116,329.84
NOV	25.19	0.00	0.00	7,455.80	1,149.37	469.40	4,046.61	290.72	3,932.44	11.00	70,550.44	0.00	0.00	0.00	0.00	0.00	390.38	13,409.91	15,480.43
DEC	31.23	0.00	0.00	6,989.96	719.47	586.15	4,701.84	224.02	3,518.02	13.37	76,789.96	0.00	0.00	0.00	0.00	0.00	410.43	13,822.50	13,027.89
JAN	27.84	0.00	0.00	5,406.54	859.03	557.00	4,909.81	224.10	4,895.99	8.08	74,846.18	0.00	0.00	0.00	0.00	0.00	496.56	14,330.34	12,686.85
FEB	30.47	0.00	0.03	6,061.65	886.32	514.29	4,752.49	235.69	6,381.01	4.31	68,363.65	0.00	0.00	0.00	0.00	0.00	515.07	13,335.25	13,503.58
MAR	33.42	0.00	0.82	8,064.36	617.71	551.65	5,617.34	187.52	5,556.86	14.16	78,501.86	0.00	0.00	0.00	0.00	0.00	551.07	15,231.18	16,251.54
APR	26.91	0.00	0.00	7,552.92	394.53	609.04	5,487.50	220.16	4,714.67	4.97	73,092.18	0.00	0.00	0.00	0.00	0.00	507.36	15,473.88	17,376.65
MAY	22.73	0.00	1.31	6,475.69	312.83	504.42	5,536.91	151.28	3,495.96	9.88	70,640.14	0.00	0.00	0.00	0.00	0.00	507.36	15,473.88	17,376.65
JUN	23.94	0.00	0.00	6,216.75	422.97	496.66	4,234.26	239.25	6,203.57	12.90	76,717.83	0.00	0.00	0.00	0.00	0.00	507.36	15,473.88	17,376.65
JUL	28.32	0.00	0.32	5,671.07	263.73	304.57	3,918.79	270.37	6,655.37	12.22	70,472.43	0.00	0.00	0.00	0.00	0.00	507.36	15,473.88	17,376.65
AUG	22.47	0.00	0.00	6,642.06	351.04	284.76	3,709.11	158.15	6,056.03	17.40	73,471.41	0.00	0.00	0.00	0.00	0.00	507.36	15,473.88	17,376.65
SEP	22.92	0.00	0.00	5,673.29	211.39	184.92	3,434.34	197.73	4,820.80	12.40	73,683.91	0.00	0.00	0.00	0.00	0.00	507.36	15,473.88	17,376.65
Total	324.26	0.00	2.48	79,320.32	7,689.45	5,406.70	54,364.11	2,589.97	58,313.35	123.15	874,634.05	0.00	0.00	0.00	28.03	6,763.33	182,703.70	201,274.13	1,473,748.72
Average	27.02	0.00	0.21	6,610.03	640.79	450.56	4,530.34	214.16	4,899.45	10.76	72,896.17	0.00	0.00	0.00	2.34	583.61	15,225.31	16,772.84	122,812.48
Percent	0.02%	0.00%	0.00%	5.38%	0.52%	0.37%	3.69%	0.17%	3.96%	0.01%	59.35%	0.00%	0.01%	0.00%	0.00%	0.46%	12.40%	13.66%	100.00%

99/00	Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn.	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
	OCT	28.93	0.00	0.00	5,904.09	186.71	147.62	3,316.23	380.88	3,800.94	12.32	75,428.94	0.00	11.39	23.38	0.00	1,030.96	14,686.95	21,885.64	126,825.98
	NOV	22.22	0.00	1.08	5,918.34	143.10	176.30	4,686.77	342.37	4,876.42	13.17	74,895.94	0.00	16.42	0.00	0.00	0.00	14,372.82	21,188.47	127,388.14
	DEC	36.39	0.00	0.00	5,698.34	142.50	285.52	4,775.48	328.46	4,328.21	14.47	76,593.23	0.00	20.69	18.51	3.99	642.11	14,117.24	14,518.76	121,494.08
	JAN	28.13	0.00	0.47	5,730.83	254.78	159.52	4,892.84	368.16	8,255.79	8.48	75,317.43	0.00	15.37	13.40	10.26	572.11	13,904.23	13,061.84	122,593.64
	FEB	28.44	0.00	0.03	5,520.51	395.23	186.74	4,042.63	500.13	4,768.14	16.02	72,983.01	0.00	16.31	23.11	0.00	718.37	13,222.10	13,665.71	116,266.38
	MAR	24.78	0.00	0.00	5,975.37	417.98	220.97	4,654.17	343.40	5,183.96	12.18	79,324.98	0.00	23.11	16.57	0.00	593.42	15,373.44	14,910.71	127,065.02
	APR	24.21	0.00	1.49	6,369.07	680.56	174.98	3,855.13	320.53	4,551.38	13.29	72,516.07	0.00	19.60	0.00	3.16	477.10	14,384.94	14,100.39	117,491.39
	MAY	25.05	0.00	0.00	5,918.17	668.43	181.38	5,098.54	305.16	6,679.88	12.67	75,451.41	0.00	18.09	0.00	0.00	3.16	14,384.94	14,100.39	117,491.39
	JUN	18.82	0.00	0.50	5,521.64	633.82	145.03	4,314.36	253.55	5,659.13	17.62	71,775.00	0.00	18.25	0.00	0.00	681.82	15,263.85	15,577.80	125,907.60
	JUL	25.15	0.00	0.00	5,463.15	289.30	129.49	4,425.77	284.95	5,101.21	21.16	70,910.34	0.00	18.92	0.00	1.35	681.82	15,272.03	15,696.86	120,009.78
	AUG	25.49	0.00	0.00	6,444.41	438.96	231.76	4,798.54	288.68	5,162.53	17.48	74,834.09	0.00	19.58	12.56	5.77	708.99	15,803.54	15,388.36	118,604.05
	SEP	26.23	0.00	0.00	5,396.38	503.06	98.84	4,314.51	306.84	5,154.93	24.03	70,723.57	0.00	22.43	0.00	3.49	897.56	14,532.30	16,233.82	131,284.24
	Total	314.84	0.00	3.57	60,870.30	4,752.43	2,116.15	53,176.95	4,003.01	63,682.52	182.87	890,275.01	0.00	218.36	129.21	48.57	10,483.17	176,660.15	195,181.89	1,181,657.70
	Average	26.24	0.00	0.30	5,822.53	396.04	178.35	4,431.41	333.58	5,306.88	15.24	74,188.58	0.00	18.20	10.77	3.88	873.60	14,888.35	16,265.16	122,758.08
	Percent	0.02%	0.00%	0.00%	4.74%	0.32%	0.14%	3.61%	0.27%	4.32%	0.01%	60.44%	0.00%	0.01%	0.01%	0.00%	0.71%	12.13%	13.25%	100.00%

00/01	Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn.	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
	OCT	35.41	0.00	0.78	5,381.70	538.81	135.36	4,098.36	274.50	3,898.63	23.44	78,381.31	0.00	40.87	22.68	3.15	728.93	16,527.90	16,388.72	124,427.57
	NOV	25.40	0.00	0.00	5,278.28	88.00	112.47	3,360.84	276.81	5,678.68	25.91	76,844.28	0.00	27.74	0.00	0.00	370.46	14,214.76	13,881.03	120,493.11
	DEC	26.57	0.00	0.00	4,786.04	47.19	251.83	5,379.57	193.25	6,076.91	37.81	77,103.01	0.00	10.96	0.00	0.00	350.24	13,929.38	10,881.61	121,054.37
	JAN	30.55	0.00	0.00	4,333.81	71.21	152.08	6,014.81	466.71	4,614.96	36.32	79,731.75	0.00	16.93	10.90	5.89	502.07	14,741.07	12,215.72	122,944.58
	FEB	30.21	0.00	0.00	4,443.20	44.91	178.38	5,512.18	327.95	4,888.15	41.73	70,793.69	0.00	24.90	0.00	2.81	574.84	13,447.32	12,815.95	113,126.20
	MAR	31.32	0.00	0.00	5,002.41	46.07	210.24	5,513.66	383.54	4,741.50	36.21	81,001.95	0.00	11.98	0.00	0.00	602.72	15,841.51	15,540.83	126,960.35
	APR	27.72	0.00	1.13	4,690.49	55.56	89.37	5,323.18	326.04	3,856.28	33.72	74,681.73	0.00	12.73	0.00	11.44	574.03	15,830.68	14,469.89	119,887.59
	MAY	38.32	0.00	0.21	5,970.43	76.12	112.86	5,301.67	372.14	4,474.77	12.37	77,468.21	0.00	250.78	0.26	6.38	676.77	16,927.00	17,072.76	126,760.85
	JUN	24.03	0.00	0.87	6,018.64	77.29	127.91	3,727.38	499.64	4,339.29	9.59	74,775.70	0.00	18.58	0.00	2.67	770.59	17,175.61	17,514.89	125,082.88
	JUL	27.16	0.00	9.64	6,080.58	119.31	150.68	3,984.75	425.79	5,204.60	14.70	76,090.39	0.00	22.49	0.00	6.15	1,635.36	16,887.58	17,414.84	129,974.02
	AUG	26.85	0.00	0.00	7,141.28	96.20	183.19	4,195.53	348.36	4,318.29	12.91	77,542.10	0.00	19.52	0.00	4.40	1,458.59	16,938.83	18,410.64	130,704.69
	SEP	33.22	0.00	0.00	5,607.28	109.10	69.29	4,075.55	277.57	4,726.00	12.99	70,348.37	0.00	12.75	0.00	0.00	934.04	15,018.43	17,180.18	118,382.77
	Total	384.76	0.00	12.63	64,714.12	1,369.77	1,783.48	56,388.48	4,170.32	58,804.06	297.70	914,740.49	0.00	470.24	33.92	47.06	9,484.64	187,480.07	183,747.08	1,483,988.78
	Average	29.56	0.00	1.05	5,392.64	114.15	148.62	4,698.04	347.53	4,900.34	24.81	76,228.37	0.00	39.19	2.83	3.82	790.39	15,823.34	15,312.26	123,658.23
	Percent	0.02%	0.00%	0.00%	4.36%	0.09%	0.12%	3.80%	0.28%	3.96%	0.02%	61.64%	0.00%	0.03%	0.00%	0.00%	0.64%	12.63%	12.38%	100.00%

01/02	Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn.	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
	OCT	39.36	0.00	3.16	7,538.43	121.88	119.80	4,368.43	149.62	4,897.16	14.52	80,051.97	0.00	17.84	0.00	0.00	1,286.16	17,830.55	19,391.01	135,797.89
	NOV	27.16	0.00	0.00	6,712.73	28.03	79.09	4,899.44	89.69	5,619.19	14.98	77,287.88	0.00	21.13	0.00	6.98	860.12	14,954.28	15,181.21	125,761.91
	DEC	33.94	0.00	0.00	5,969.71	71.04	120.14	5,534.03	193.51	5,253.46	17.90	79,533.80	0.00	25.30	0.00	0.70	604.62	14,342.68	12,332.41	124,033.24
	JAN	29.98	0.00	0.00	5,925.52	3.81	158.99	5,247.15	265.38	6,294.81	14.19	82,873.32	0.00	29.77	11.09	4.60	730.06	15,336.88	14,734.75	131,660.11
	FEB	28.44	0.00	0.00	5,972.42	29.51	100.84	5,142.97	133.72	4,514.17	11.06	77,101.58	0.00	20.91	0.00	3.10	482.26	14,481.86	15,070.55	123,073.39
	MAR	43.84	0.00	0.00	5,586.53	31.82	140.53	6,362.86	99.38	5,054.31	17.59	76,330.01	0.00	19.56	11.29	0.00	606.31	14,536.74	13,562.98	122,403.75
	APR	28.25	0.00	0.00	8,365.51	106.41	204.93	6,289.43	92.74	3,197.34	13.41	82,324.53	0.00	24.95	0.00	0.00	528.30	16,461.67	15,629.01	131,286.48
	MAY	36.52	0.00	0.00	7,525.60	71.01	94.16	5,587.88	3,232.51	12,496.83	15.33	81,580.75	0.00	22.95	0.00	5.05	1,060.18	16,891.76	18,804.57	147,405.08
	JUN	31.68	0.00	0.00	6,227.50	66.93	86.42	5,741.94	3,593.71	3,404.02	11.88	77,740.57	0.00	23.68	0.00	3.21	1,717.47	15,493.66	17,933.31	132,055.96
	JUL	38.92	0.00	4.62	5,876.28	133.85	56.93	5,078.12	4,179.39	3,979.48	9.27	82,982.94	0.00	24.68	0.00	12.21	1,630.43	17,231.18	19,140.43	140,378.69
	AUG	35.03	0.00	0.00	6,298.73	111.59	94.24	3,479.61	1,368.28	4,735.51	15.31	78,707.20	0.00	27.38	0.00	0.00	2,258.45	16,478.85	20,280.77	133,690.95
	SEP	38.53	0.00	0.77	4,869.94	191.27	154.96	4,102.27	3,098.28	11,402.90	13.36	74,171.20	0.00	24.02	0.00	0.68	1,974.88	14,613.66	17,285.02	131,639.92
	Total	409.66	0.00	8.55	74,868.90	968.95	1,391.03	61,812.11	16,498.21	70,839.16	168.76	950,865.75	0.00	282.15	22.38	36.71	13,599.24	188,653.77	199,326.02	1,579,267.37
	Average	34.14	0.00	0.71	6,239.08	80.56	115.92	5,151.01	1,374.66	5,903.26	14.07	79,223.81	0.00	23.51	1.87	3.06	1,133.27	15,721.15	16,610.50	131,630.61
	Percent	0.03%	0.00%	0.00%	4.74%	0.08%	0.09%	3.91%	1.04%	4.48%	0.01%	60.19%	0.00%	0.02%	0.00%	0.00%	0.86%	11.94%	12.62%	100.00%

02/03

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn/App	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	41.83	0.00	0.00	6,004.05	261.27	341.44	5,005.58	752.25	22,889.02	17.84	79,959.99	0.00	20.03	6.76	2.84	1,463.43	15,219.54	16,544.26	148,530.13
NOV	33.83	0.00	0.00	5,456.46	185.24	392.66	4,846.04	4,956.21	27,268.08	25.69	78,743.07	0.00	22.30	0.00	8.50	791.07	14,211.79	16,290.02	125,161.84
DEC	39.01	0.00	0.00	4,202.38	280.94	286.43	5,555.02	149.16	8,220.82	34.64	87,215.24	0.00	23.22	34.64	11.65	1,602.60	14,311.08	13,782.12	135,738.15
JAN	34.73	0.00	1.58	5,785.14	222.08	419.77	5,702.42	166.75	8,831.75	15.89	84,947.05	0.00	35.80	0.14	7.71	1,431.45	14,778.96	14,814.32	137,035.34
FEB	31.06	0.00	0.00	5,483.43	142.04	403.10	4,786.56	186.51	7,014.66	19.52	78,843.05	0.00	18.43	0.00	0.00	1,020.31	13,676.44	15,300.88	126,926.44
MAR	33.67	0.00	0.00	6,136.99	330.64	282.84	6,603.84	136.54	8,093.68	23.85	88,468.37	0.00	23.02	0.00	7.11	1,322.04	16,440.24	20,269.31	148,190.14
APR	34.12	0.00	0.00	5,688.21	191.16	183.43	6,378.57	335.35	18,668.77	21.97	86,406.08	0.00	24.42	0.00	13.76	1,687.69	17,923.24	19,631.90	156,838.67
MAY	32.50	0.00	0.00	6,147.44	169.04	195.49	5,550.30	542.42	30,150.47	26.23	86,192.02	0.00	30.10	0.00	11.90	938.95	17,928.73	20,061.39	167,974.98
JUN	31.72	0.00	2.03	6,483.08	227.18	186.48	4,307.54	699.67	9,332.07	20.54	82,088.83	0.00	31.85	10.33	5.80	2,724.60	17,130.77	22,131.72	152,373.30
JUL	31.73	0.00	4.66	6,097.76	175.09	193.26	4,731.34	1,391.74	15,885.55	16.75	81,808.35	0.00	21.49	0.00	3.44	1,123.37	17,453.86	21,424.08	144,405.38
AUG	34.15	0.00	1.06	6,292.26	208.57	131.13	4,938.11	2,460.00	20,988.20	22.37	80,948.25	0.00	44.10	0.00	2.54	3,035.19	15,934.22	22,846.19	147,868.34
SEP	38.91	0.00	0.00	5,965.53	130.40	105.91	4,546.58	3,428.72	22,975.58	19.90	81,934.74	0.00	30.35	0.05	4.88	1,292.56	16,593.83	22,860.32	159,748.22
Total	421.31	0.00	9.33	69,942.73	2,523.65	3,131.94	62,951.88	10,433.94	167,033.89	287.19	997,573.49	0.00	324.91	26.07	60.13	19,433.26	191,040.70	225,376.51	1,750,810.93
Average	35.11	0.00	0.78	5,828.56	210.30	261.00	5,246.99	871.16	13,921.16	22.27	83,131.12	0.00	27.08	2.17	6.68	1,619.44	15,920.06	16,781.38	145,864.24
Percent	0.02%	0.00%	0.00%	4.00%	0.14%	0.16%	3.60%	0.60%	9.54%	0.02%	56.96%	0.00%	0.02%	0.00%	0.00%	1.11%	10.91%	12.87%	100.00%

03/04

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn/App	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	39.01	0.00	0.00	6,622.89	60.46	172.64	4,966.58	1,054.16	27,268.08	25.10	83,280.46	0.00	21.70	0.00	0.00	950.97	15,244.31	21,501.01	161,205.37
NOV	29.85	0.00	0.00	5,830.30	1.40	152.24	4,956.21	1,116.85	11,078.83	23.52	93,342.64	0.00	23.25	0.00	14.63	828.81	13,558.66	18,161.62	135,756.81
DEC	41.85	0.00	0.39	5,627.50	2.06	1,548.45	5,786.22	1,800.70	8,250.81	22.42	93,066.37	0.00	30.95	0.00	7.41	639.99	14,114.57	17,018.84	147,892.84
JAN	37.76	0.00	1.14	6,208.64	19.90	112.21	5,665.62	828.45	8,364.68	22.30	87,947.47	0.00	34.02	0.85	2.87	752.55	13,999.12	16,825.97	140,577.74
FEB	36.50	0.00	0.00	6,242.82	0.00	584.40	5,067.48	1,400.81	6,720.83	20.05	82,824.86	0.00	20.70	0.00	5.68	508.22	13,662.18	15,756.28	132,901.77
MAR	36.50	0.00	0.16	5,500.25	0.00	259.21	6,740.49	1,537.29	9,978.99	50.36	93,969.16	0.00	46.11	0.00	0.74	767.87	16,045.76	20,630.48	155,569.17
APR	29.90	0.00	2.15	5,702.52	0.00	161.18	7,365.53	1,353.43	7,253.87	15.49	88,504.46	0.00	28.15	0.00	2.34	1,025.76	17,615.31	21,409.11	150,473.81
MAY	44.54	0.00	0.00	17,687.61	0.00	126.94	5,137.44	679.63	16,514.17	21.34	86,558.12	0.00	30.55	0.00	14.94	694.96	17,421.34	22,872.15	146,094.87
JUN	33.21	0.00	0.00	6,489.77	0.00	212.42	4,783.93	1,130.05	20,717.07	25.32	85,310.33	0.00	32.60	0.00	1.07	788.17	18,322.96	24,473.37	170,385.91
JUL	39.11	0.00	0.00	6,570.04	0.00	142.02	4,557.97	2,061.44	13,836.83	22.14	88,738.61	0.00	37.05	0.00	16.44	1,499.60	18,636.74	26,008.31	160,816.30
AUG	30.93	0.00	0.00	5,972.31	18.94	118.64	4,823.93	759.84	7,488.84	20.34	111,183.74	0.00	22.37	0.00	2.99	1,639.68	13,492.61	22,470.24	188,845.40
SEP	437.53	0.00	6.59	85,215.71	102.78	3,691.68	64,565.98	13,657.78	146,155.35	285.29	1,056,725.64	0.00	348.90	0.85	81.03	9,587.35	191,039.94	250,474.97	1,832,361.35
Total	36.46	0.00	0.55	7,101.31	8.56	307.64	5,380.50	1,138.15	12,179.61	23.77	88,894.14	0.00	29.08	0.07	6.75	797.28	15,920.00	20,872.91	152,686.78
Average	0.02%	0.00%	0.00%	4.65%	0.01%	0.20%	3.32%	0.75%	7.95%	0.02%	58.22%	0.00%	0.02%	0.00%	0.00%	0.52%	10.43%	13.67%	100.00%

Significant impact from Hurricanes Frances and Jeanne

04/05

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct	Fill	Furn/App	Garbage	LC	Pest/Plant	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	45.11	0.00	0.00	12,590.13	0.00	118.83	5,024.78	219.48	19,906.74	20.29	96,423.44	0.00	23.18	0.00	7.49	528.27	14,551.56	22,079.64	171,536.94
NOV	41.82	0.00	0.00	12,304.79	0.00	111.32	6,442.78	128.46	21,194.71	23.02	94,856.70	0.00	27.83	0.00	20.44	1,615.77	15,188.93	21,827.72	173,784.29
DEC	31.44	0.00	0.00	12,500.47	0.00	343.09	6,707.04	681.82	25,375.23	27.02	97,800.29	0.00	39.46	0.00	0.00	259.27	22,197.82	21,320.00	187,283.05
JAN	39.57	0.00	1.87	12,275.42	3.58	238.04	6,425.29	1,695.23	17,205.22	32.22	96,296.96	0.00	27.52	0.00	8.07	671.27	18,517.96	19,590.85	173,019.07
FEB	32.89	0.00	0.00	13,802.74	0.73	311.27	6,839.97	1,534.59	18,552.60	31.46	86,239.89	0.00	19.67	0.00	0.00	671.20	16,202.42	16,720.86	162,940.69
MAR	38.67	0.00	0.00	14,014.56	0.00	385.43	8,729.67	739.67	23,869.19	23.94	104,044.42	0.00	43.49	0.00	5.35	478.83	17,880.00	18,783.71	189,027.13
APR	34.04	0.00	1.79	12,454.07	3.85	160.04	7,942.95	1,223.83	23,533.08	16.73	94,732.89	0.00	43.95	0.00	0.00	779.48	17,850.71	19,436.76	177,113.15
MAY	31.78	0.00	0.11	13,041.44	0.00	133.48	6,940.42	2,517.17	27,104.22	22.61	95,318.14	0.00	34.20	0.00	0.00	937.81	17,359.92	20,311.25	183,752.55
JUN	25.99	0.00	0.00	11,335.57	0.00	138.97	8,533.94	2,265.49	16,773.65	25.26	97,939.56	0.00	52.55	2.90	3.01	306.89	19,555.56	23,721.09	178,180.43
JUL	24.91	0.00	0.00	10,423.19	0.00	143.58	5,815.06	625.61	8,864.30	15.57	86,879.16	0.00	32.60	0.00	0.79	848.87	17,389.49	21,978.09	152,841.20
AUG	27.90	0.00	0.37	11,751.47	0.00	170.78	5,946.68	959.13	9,274.26	15.28	91,187.85	0.00	32.53	0.00	0.70	597.53	16,762.63	24,896.99	161,626.10
SEP	28.26	0.00	0.00	10,513.70	0.00	182.81	5,897.16	1,788.86	8,577.27	23.84	85,721.65	0.00	29.78	0.00	14.23	657.53	18,496.55	26,511.29	156,242.93
Total	402.58	0.00	4.14	147,007.55	8.16	2,437.62	78,845.74	13,278.34	220,220.45	277.24	1,123,440.95	0.00	406.76	2.90	60.08	8,333.12	209,453.65	257,170.25	2,067,349.53
Average	33.55	0.00	0.35	12,250.63	0.08	203.14	6,570.48	1,106.53	18,351.70	23.10	94,120.08	0.00	33.90	0.24	5.01	694.43	17,454.47	21,430.85	172,279.13
Percent	0.02%	0.00%	0.00%	7.11%	0.00%	0.12%	3.81%	0.64%	10.65%	0.01%	54.63%	0.00%	0.02%	0.00%	0.00%	0.40%	10.13%	12.44%	100.00%

05/06

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct LF	Fill	Furn/App	Garbage	LC	Pest/Paint	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	28.38	0.00	0.00	8,564.65	0.00	141.87	5,306.80	1,587.81	6,936.04	16.28	94,920.99	0.00	28.20	0.00	3.43	334.98	13,032.22	20,714.80	151,817.25
NOV	28.88	0.00	0.00	10,779.11	0.00	100.75	8,683.19	564.40	9,525.82	21.32	104,328.85	0.00	38.28	0.00	22.92	231.30	16,907.98	18,230.50	156,293.93
DEC	24.73	0.00	0.68	17,634.21	0.00	177.21	8,019.86	779.89	9,525.82	17.12	97,328.87	0.00	21.56	0.00	20.79	297.82	18,230.50	18,230.50	169,414.23
JAN	39.20	0.00	0.00	19,901.82	0.00	101.78	7,306.13	809.31	7,056.46	17.16	97,995.66	0.00	29.70	0.00	6.72	527.03	18,230.50	20,700.44	173,310.94
FEB	25.14	0.00	0.00	17,265.02	0.00	4.27	7,084.26	781.90	6,078.26	14.17	89,136.99	0.00	29.64	0.00	2.85	559.12	16,553.46	18,907.76	156,877.49
MAR	30.96	0.00	1.04	24,392.95	0.00	117.36	6,625.37	2,755.45	6,045.93	24.79	100,787.74	0.00	39.61	0.00	20.07	1,120.08	18,192.43	20,581.00	181,709.49
APR	28.99	0.00	1.78	21,252.74	0.00	117.36	6,625.37	2,755.45	6,045.93	11.01	91,605.35	0.00	22.25	0.00	4.78	923.86	15,943.98	20,028.01	163,724.32
MAY	31.89	0.00	0.81	22,113.62	0.00	126.04	7,825.41	3,792.54	5,447.98	15.31	99,285.87	0.00	37.49	0.00	0.00	0.00	17,969.15	24,653.92	180,350.45
JUN	39.99	0.00	0.00	21,170.62	0.00	135.09	8,829.10	2,563.57	11,313.89	14.59	91,979.75	0.00	31.49	0.00	31.84	69.38	17,563.81	25,599.41	177,968.30
JUL	36.77	0.00	0.00	16,901.31	0.00	209.72	6,928.42	2,338.04	9,023.40	13.54	88,171.24	0.00	22.16	0.00	0.00	1,851.34	16,072.37	25,254.75	166,620.00
AUG	20.79	0.00	0.18	15,975.04	0.00	283.30	5,145.11	9,412.87	8,571.77	14.83	89,208.74	0.00	22.02	0.00	0.00	106.44	14,906.15	26,886.03	170,943.07
SEP	29.64	0.00	0.00	14,513.36	0.00	130.38	4,306.02	8,727.41	12,985.39	21.82	88,334.18	0.00	17.73	0.41	4.40	1,548.54	14,652.59	24,265.74	169,577.81
Total	356.07	0.00	13.72	210,464.15	14.53	1,930.29	76,785.04	36,030.11	96,888.10	201.74	1,135,054.23	0.00	330.38	3.26	128.46	7,098.69	190,409.97	280,065.17	2,018,025.09
Average	28.87	0.00	1.14	17,538.68	1.21	180.88	8,585.42	3,002.51	8,072.34	18.81	94,587.65	0.00	27.53	0.27	10.71	1,614.16	15,867.50	21,872.10	168,168.76
Percent	0.02%	0.00%	0.00%	10.18%	0.00%	0.09%	3.81%	1.74%	4.69%	0.01%	54.90%	0.00%	0.02%	0.00%	0.01%	0.36%	9.21%	12.58%	97.61%

Significant Impact from Hurricane Wilma

06/07

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct LF	Fill	Furn/App	Garbage	LC	Pest/Paint	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	32.02	0.00	0.00	13,716.95	0.00	165.41	4,470.08	4,329.25	16,313.67	14.28	85,256.05	0.00	25.37	0.00	3.51	1,754.63	13,964.84	22,452.47	162,528.53
NOV	23.62	0.00	6.83	12,571.49	0.00	133.06	5,315.03	1,903.18	9,949.04	11.58	87,776.62	0.00	29.13	0.00	24.15	5.93	13,473.26	18,647.75	149,890.67
DEC	28.90	0.00	0.58	11,312.72	0.00	136.82	6,757.72	2,270.10	6,833.49	16.19	90,459.72	0.00	22.71	0.00	5.89	2,588.87	13,160.32	14,238.13	147,834.29
JAN	37.34	0.00	0.00	12,883.50	0.00	159.26	8,567.71	2,683.74	8,504.60	9.69	96,194.63	0.00	35.71	11.12	5.67	434.26	14,992.02	17,295.19	159,813.96
FEB	33.42	0.00	0.00	9,653.58	22.50	176.65	7,065.32	2,424.25	3,591.89	15.98	83,192.63	0.00	34.01	0.00	5.14	644.05	12,375.32	15,097.99	134,932.73
MAR	40.62	0.00	0.32	10,401.32	0.00	157.18	7,514.71	2,594.25	5,734.94	25.55	92,313.83	0.00	30.78	3.08	10.02	1,235.60	13,439.14	17,156.85	150,855.99
APR	29.83	0.00	0.00	11,122.67	0.00	172.63	7,434.71	1,899.94	3,556.23	14.42	87,373.33	0.00	21.33	0.00	0.00	671.21	13,607.79	18,796.28	142,960.87
MAY	32.85	0.00	0.65	11,017.18	0.00	147.27	6,209.49	1,031.56	7,756.01	11.18	91,203.96	0.00	32.61	1.53	0.00	885.24	14,277.53	23,514.49	156,121.53
JUN	32.55	0.00	0.00	9,906.71	0.00	131.51	5,524.89	2,408.85	4,678.77	13.49	88,772.71	0.00	34.26	2.36	0.00	689.70	14,243.44	23,076.52	148,469.77
JUL	26.67	0.00	0.82	8,090.89	0.00	117.07	5,217.15	2,989.16	7,763.44	12.02	87,772.71	0.00	30.21	0.00	3.94	916.41	14,483.56	22,824.26	152,248.33
AUG	39.72	0.00	0.20	8,929.02	0.00	313.74	5,830.01	2,651.71	5,919.84	10.11	87,899.70	0.00	44.22	0.00	15.34	1,470.76	15,013.33	21,901.23	147,452.93
SEP	24.64	0.00	0.00	6,527.67	0.00	181.93	5,518.26	4,295.58	6,574.88	9.35	79,747.39	0.00	17.81	0.79	3.64	0.00	12,802.96	16,763.78	128,602.65
Total	382.18	0.00	8.40	126,123.68	24.83	2,012.33	73,235.08	23,529.34	85,174.80	183.84	1,060,562.66	0.00	336.15	19.38	77.83	11,206.68	185,885.53	231,766.74	1,782,582.25
Average	31.85	0.00	0.78	10,510.31	2.05	187.71	8,288.76	1,960.76	7,067.90	13.65	88,360.22	0.00	29.85	1.62	6.47	938.89	13,822.13	19,313.90	146,546.85
Percent	0.02%	0.00%	0.00%	6.10%	0.00%	0.10%	3.64%	1.16%	4.12%	0.01%	51.30%	0.00%	0.02%	0.00%	0.00%	0.54%	8.02%	11.21%	86.22%

07/08

Month	Animals	Reef	Asbestos	C/D	Residue	Tires	Sludge	Direct LF	Fill	Furn/App	Garbage	LC	Pest/Paint	Special	Trailers	Mulch	Trash/Other	Vegetation	Total
OCT	27.37	0.00	0.00	6,717.09	0.00	160.97	5,342.07	648.07	10,524.34	26.77	93,741.53	0.00	34.44	1.50	0.00	738.95	15,795.42	17,873.19	151,431.71
NOV	34.49	0.00	0.00	5,790.74	0.42	121.79	4,098.44	435.26	11,205.55	4.44	87,802.94	0.00	35.28	0.00	0.25	374.99	13,241.97	15,037.94	138,174.50
DEC	31.87	0.00	0.00	5,442.68	6.25	142.75	5,524.63	1,418.21	9,905.89	11.59	88,459.28	0.00	31.83	0.00	2.82	1,187.18	12,167.55	11,332.08	135,664.61
JAN	31.88	0.00	0.00	6,518.81	24.39	219.12	6,072.90	1,301.82	9,470.28	17.41	93,120.41	0.00	38.15	0.00	0.00	414.60	13,394.70	13,723.17	144,347.64
FEB	31.81	0.00	0.00	5,551.99	4.48	234.71	4,630.24	2,342.30	6,971.53	7.53	87,517.75	0.00	37.61	0.11	0.44	700.81	12,259.01	12,668.89	132,959.01
MAR	35.38	0.00	0.00	5,951.02	19.60	149.14	7,066.88	2,065.65	8,572.13	13.07	91,211.82	0.00	32.28	0.00	0.84	1,050.03	13,164.90	14,317.98	143,850.32
APR	34.61	0.00	0.58	7,092.57	0.00	161.25	6,872.05	1,866.67	9,674.29	10.94	88,978.15	0.00	50.96	0.00	2.43	808.84	14,593.37	16,525.73	146,672.44
MAY	28.31	0.00	0.54	5,402.15	20.28	113.36	5,521.51	2,518.49	9,349.89	10.56	84,267.69	0.00	36.41	0.00	0.00	0.00	13,142.06	19,112.27	138,522.29
JUN	25.92	0.00	0.00	6,293.40	0.00	148.90	6,089.02	3,872.54	8,936.23	7.34	80,835.58	0.00	38.14	0.00	0.00	901.52	12,613.35	19,573.06	139,099.46
JUL	36.01	0.00	0.00	6,418.03	0.00	173.52	5,553.47	7,015.98	8,458.57	7.77	82,731.53	0.00	53.94	0.04	3.42	1,405.80	14,152.42	20,861.30	146,847.58
AUG	26.76	0.00	0.00	5,021.19	0.00	173.52	5,016.09	2,900.39	8,760.30	8.30	76,336.60	0.00	31.34	0.00	7.09	0.00	13,481.42	20,007.28	133,768.28
SEP	32.15	0.00	0.34	4,649.58	0.00	147.32	6,715.91	1,122.41	7,837.23	3.86	79,237.26	0.00	36.19	0.00	0.00	542.54	13,464.72	20,083.25	133,872.76
Total	378.58	0.00	1.46	70,638.23	75.42	1,868.96	66,503.01	27,305.79	109,666.23	127.58	1,038,240.94	0.00	456.57	1.65	17.09	8,125.06	161,470.88	200,816.14	1,686,010.60
Average	31.38	0.00	0.12	5,903.27	6.29	167.25	5,708.58	2,275.48	9,138.85	10.83	86,353.41	0.00	38.05	0.14	1.42	877.09	13,455.81	18,743.01	140,500.88
Percent	0.02%	0.00%	0.00%	3.43%	0.00%	0.09%	3.31%	1.32%	5.30%	0.01%	50.12%	0.00%	0.02%	0.00%	0.00%	0.39%	7.81%	9.72%	81.55%

**INTERLOCAL AGREEMENT FOR THE DELIVERY OF MUNICIPAL SOLID WASTE
TO DESIGNATED FACILITIES AND FOR A MUNICIPAL RECYCLING PROGRAM**

THIS AGREEMENT, made and entered into this ____ day of _____, 2008 by and between the **SOLID WASTE AUTHORITY OF PALM BEACH COUNTY**, a dependent special district created pursuant to Chapter 2001-331, Laws of Florida, as amended, hereinafter called "Authority", and the **CITY OF _____**, a municipal corporation, chartered and organized in accordance with the laws of the State of Florida, hereinafter called "CITY".

WITNESSETH:

WHEREAS, the Authority has been empowered by law to carry out the powers, obligations and requirements in Palm Beach County, Florida, prescribed to a "county" pursuant to the provisions of Chapter 403, Part IV, *Florida Statutes*; and

WHEREAS, Chapter 403, Part IV, *Florida Statutes* encourages counties to enter into Interlocal Agreements with municipalities to establish recycling programs and carry out recycling activities; and

WHEREAS, the CITY desires to work in cooperation with the Authority to continue a municipal recycling program toward achievement and maintenance of the State recycling goal and the requirements of Chapter 403, Part IV, *Florida Statutes*; and

WHEREAS, in addition, the CITY provides for the collection of solid waste from the residents and businesses and residential recyclables within its boundaries and recognizes the need for safe and sanitary processing and disposal of solid waste and residential recyclable materials; and

WHEREAS, the CITY wishes to participate in a coordinated County-wide program for the management of hazardous waste and control of solid waste processing and disposal and residential recycling participation in cooperation with federal, state, and local agencies responsible for the prevention, control, or abatement of air, water, and land pollution; and

WHEREAS, the CITY together with Palm Beach County recognizes the need to plan and develop an adequate solid waste and residential recycling system for the benefit of all the residents of Palm Beach County.

NOW, THEREFORE, in consideration of the mutual covenants and promises hereinafter contained to be kept and performed by the parties hereto, and for the mutual benefit of the CITY, its constituents and the Authority, it is agreed as follows:

1. The purpose of this Agreement is to set forth the terms and conditions for the delivery of municipal solid waste to designated facilities and for the operation of a recycling program between the Authority and the CITY in this combined agreement which upon execution by both parties shall automatically rescind the "Interlocal Agreement for Municipal

Recycling and Grant Management” set to expire on September 30, 2008 and the “Interlocal Agreement for Delivery of Municipal Solid Waste to a Designated Facility” expiring on September 30, 2010 previously entered into by the parties and shall become effective upon filing with the Clerk of the Courts in accordance with Chapter 163, *Florida Statutes*.

2. The CITY agrees that all solid waste and residential recyclables collected by or on behalf of the CITY shall be disposed of at an Authority operated facility or Authority permitted facility (“designated facilities”), in accordance with this Agreement.
3. The CITY agrees to cooperate with the Authority to provide all necessary and required information to the Authority in a timely manner so that it can be determined if the CITY’s solid waste and residential recyclables are being delivered to a designated facility.
4. The Authority agrees to maintain its disposal facilities to ensure adequate capacity for the CITY’s waste and residential recyclables to operate within all applicable local, state and federal environmental guidelines.

5. Compliance with Zoning Ordinances

Any transfer and/or disposal of solid waste and recyclable materials shall be undertaken in a location suitable and adequate for such activity and shall comply with all local zoning ordinances and any other applicable local and state statutes, ordinances and regulations.

6. Waste Disposal Requirements

All solid waste and residential recyclables collected by or on behalf of the CITY shall be disposed of at an Authority operated or permitted facility in accordance with the criteria established for acceptance of loads deemed suitable for processing at the designated facilities.

7. Collection of Source-Separated Recyclable Material

A. Residential

Individual residents/homeowners shall be encouraged by the CITY to separate their solid waste into recyclables and non-recyclables. Each residential unit or combination of units will receive the appropriate type and number of reusable containers, in accordance with the countywide recycling program, into which Recyclable Materials will be deposited.

Commingled Recyclable Materials shall mean: aluminum cans, foil and pans; aseptic containers; gable-topped containers; glass bottles and jars (green, brown and clear); and plastic containers # 1 - #7 (except Styrofoam). Commingled

recyclables will be deposited into one of the appropriately designated reusable containers.

Fiber Recyclable Materials shall mean: newspapers (including inserts); magazines and catalogs; phone books; corrugated cardboard; and kraft bags. Fiber Recyclable Materials shall be placed loose in the other appropriately designated reusable container.

Corrugated cardboard shall be cut to an acceptable size and flattened, and for curbside residents, shall be set beside or in the same reusable container as the Fiber Recyclable Material. Residents receiving containerized service may receive a separate container to be used for the collection of Corrugated cardboard.

The Authority retains the right to modify the manner in which materials are set out for collection with proper notice to the CITY. Notice for a substantial change in collection method shall be no less than one year.

B. Commercial

Individual businesses shall be encouraged by the CITY to separate their solid waste into two categories: recyclable and non-recyclable. Businesses contracting for services will arrange with their service provider to receive one or more containers into which recyclable material may be deposited. Acceptable materials for commercial recycling shall include: Commingled Recyclable Materials, Corrugated Cardboard, Sorted White Ledger, Mixed Paper and Sorted Office Paper and any other materials agreed to in writing by the CITY and the Authority.

Commercial recyclable materials shall be sorted by the business by type and placed in separate containers. Corrugated Cardboard, Sorted White Ledger, Mixed Paper and Sorted Office Paper as more specifically defined as follows shall be prepared for collection in accordance with the collection standards below:

- (1) Sorted White Ledger - white ledger or computer printout paper. Dry and free of contaminants.
- (2) Sorted Office Paper - office paper including letterhead, computer paper, legal paper, loose-leaf paper, copy and typing paper.
- (3) Corrugated Cardboard – containers having liners of either test liner, jute, or kraft.
- (4) Mixed Paper – a mixture of various types and grades of paper including but not limited to: all office paper, colored paper, corrugated cardboard, envelopes (excluding envelopes with cellophane windows), junk mail, kraft bags, magazines, and catalogs. Mixed Paper does not include tissue or towel type paper.

8. Commercial Recycling Revenue Share

As a further incentive for the CITY to actively pursue commercial recycling, the Authority and the CITY may enter into a separate agreement to provide for payment to the CITY for all acceptable loads of agreed upon commercial Recyclable Materials. Types of commercial Recyclable Materials eligible for payment shall be determined by the Authority.

9. Transportation and Equipment

The CITY shall be responsible for having collected Recyclable Materials transported to a designated facility, including, but not limited to, the Authority's Residential Materials Recycling Facility (RMRF), the Authority's Commercial Materials Recycling Facility (CMRF), one of five transfer stations, a Private Commercial Materials Recycling Facility (PCMRF) or any other sites designated by the Authority for recycling. The Authority or its contractor shall receive, process, dispose of and/or recover all Recyclable Materials delivered by or on behalf of the CITY, at no charge to the CITY, except for unacceptable loads as described below. Collection equipment must be of a type to provide for rear, side or front unloading and may be compartmentalized or in separate vehicles.

10. Improperly Prepared Recyclable Materials

When a collector's crew encounters improperly prepared materials or non-recyclable items, they must follow this procedure:

- A. The collector shall pickup all Recyclable Materials except for those contaminated by non-recyclable material or those which cannot be safely retrieved from the reusable containers. Improperly sorted materials or contaminated materials will be left in the reusable containers or temporarily removed and returned to the reusable containers. The collector shall leave an Authority and/or CITY approved form on the material or in the container. The form will notify the resident or business that material has not been properly sorted, and will provide information on how to contact the CITY or Authority recycling coordinator for further information. Upon request of the CITY, the Authority will provide rejection procedure training for the route drivers. The Authority and the CITY will consult and evaluate the extent of the need for such training, which shall be provided by the Authority.

As a means of strengthening the CITY's ability to have its collector fulfill the CITY's recycling needs, the CITY agrees to notify and consult with the Authority when preparing the CITY's future request for collection franchise bids.

- B. It shall be the responsibility of the CITY or its collector to contact residents or businesses that repeatedly place improperly sorted materials in their designated container and inform and encourage them to properly sort materials. If the

problem persists, the CITY shall notify the Authority, who shall then assist the CITY in resolving the problem.

11. Recycling Containers

The Authority shall provide yellow and blue eighteen (18) and ninety-six (96) gallon recycling containers. The yellow and blue colors reflect a consistent educational advertising effort through TV commercials, newsprint, radio, mailer, or other source. It is the CITY's responsibility to make sure it or its collection contractor has equipment compatible to provide proper collection of these recycling containers without damage. The CITY or its collection contractor shall be responsible for replacement of any recycling container(s) damaged during service at no additional cost to the Authority.

12. Compliance with Zoning Ordinances

Any transfer and/or storage of the Recyclable Materials shall be undertaken in a location suitable and adequate for such activity and shall comply with all local zoning ordinances and any other applicable local and state statutes, ordinances and regulations.

The CITY further agrees to use its best efforts to amend or modify its appropriate zoning, building, or land development code to require new multi-family or commercial developments to provide adequate space for recycling containers.

13. Unacceptable Materials

Criteria have been established for acceptance of loads deemed suitable for processing at designated facilities. If the load contains in excess of 12% non-recyclable materials by volume, the receiving facility will reject the load. The CITY or its contractor will be charged the actual disposal cost and a \$250.00 processing fee for any rejected load due to contamination or equipment mechanical failure. The Authority will notify the CITY immediately of a contaminated load. If the problem of unacceptable loads persists, (more than two times in a month) the Authority may elect to monitor the route for proper sorting and tagging procedures, and/or make recommendations to the CITY.

14. Promotion and Education Responsibilities

The Authority will provide recycling bins/containers and assist in promoting and educating residents within the CITY in an effort to work together and increase recyclable tonnages.

15. Delivery of Collected Material

The CITY agrees that it shall require that all Recyclable Materials separated from the normal waste stream that are collected by or on behalf of the CITY shall be delivered to designated facilities. The Authority may, from time to time, undesignate a facility. The CITY will take such action as is necessary and available to ensure against and prevent

scavenging and unauthorized removal of such recyclables within the jurisdiction of the CITY.

16. Term

This Agreement shall begin on the date herein above and continue through September 30, 2013, and may be renewed for a period of five (5) years upon mutual agreement. Notwithstanding termination, any rights or duties imposed by law shall remain in effect.

This Agreement may be modified only by the written consent of both parties; or terminated by either party upon one hundred twenty days (120) days written notice to the other. The effective date of termination will be the last day of the fiscal year in which the notice was given.

17. Change in Law

In the event any change in law abrogates or modifies any provisions or applications of this Agreement, the parties hereto agree to enter into good faith negotiations and use their best efforts to reach a mutually acceptable modification of this Agreement.

18. Notices.

All formal notices affecting the provisions of this Agreement shall be delivered in person or be sent by registered or certified mail to the individual designated below, until such time as either party furnishes the other party written instructions to contact another individual.

For the Authority:	For the CITY:
Solid Waste Authority of Palm Beach County 7501 North Jog Road West Palm Beach, Florida 33412 Attention: Executive Director	

19. If any clause, section, or provision of this Agreement shall be declared to be unconstitutional, invalid or unenforceable for any cause or reason, or is abrogated or negated by a change in law, the same shall be eliminated from this Agreement, and the remaining portion of this Agreement shall be in full force and effect and be valid as if such invalid portions thereof had not been incorporated herein.

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first above written:

As to the Authority:

WITNESSES:

SOLID WASTE AUTHORITY OF
PALM BEACH COUNTY

Mark Hammond, Executive Director

ATTEST:

SOLID WASTE AUTHORITY OF
PALM BEACH COUNTY

Sandra J. Vassalotti, Clerk to the Authority

As to the CITY:

ATTEST:

(Affix Municipal Seal)

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

Legal Counsel
Solid Waste Authority of Palm Beach County

Date: _____

Date: _____

Table 1
**MUNICIPAL SOLID WASTE
COLLECTION AND RECYCLING**
(January 1, 2006 - December 31, 2006)

OPEN DATA FILE before pushing button; do not alter any formats; do not enter information in shaded areas.

COUNTY:	Palm Beach		2006 POPULATION(a):				1,287,987	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Materials Type	Collected Tons	Percent Total Tons(b)	Pounds per Capita per Day(c)	DEP Certified #s	Non-Certified Recycling #s	Recycled Tons Total (d)	Percent Recycled(e)	
(Minimum 4 of 8)								
a. Newspaper (f)	111,620	6	0.47	63,139	0	63,139	57	
b. Glass (f)	54,795	3	0.23	4,452	0	4,452	8	
c. Aluminum cans (f)	12,177	1	0.05	2,976	0	2,976	24	
d. Plastic bottles (f)	28,412	1	0.12	3,094	0	3,094	11	
e. Steel cans (f)	16,236	1	0.07	15,580	0	15,580	96	
f. Corrugated paper (f)	198,886	10	0.85	57,400	0	57,400	29	
g. Office paper (f)	36,530	2	0.16	1,449	0	1,449	4	
h. Yard trash (f,g)	215,122	11	0.92		43,190	43,190	20	
a. Other plastics	107,561	5	0.46	2,622	0	2,622	2	
b. Ferrous metals(h)	144,091	7	0.61	114,372	0	114,372	79	
c. White goods(h)	24,354	1	0.10		21,785	21,785	89	
d. Non-ferrous metals	40,589	2	0.17	32,080	0	32,080	79	
e. Other paper	131,915	7	0.56	26,920	0	26,920	20	
f. Textiles	40,589	2	0.17	0	0	0	0	
a. C&D debris (k)	714,368	35	3.04	23,382	0	23,382	3	
b. Food	125,826	6	0.54		0	0	0	
c. Miscellaneous	4,059	0	0.02		0	0	0	
d. Tires	22,324	1	0.09		0	0	0	
e. Process fuel(g,i)	NA	NA	NA		141,644	141,644	100	
4. County Totals	2,029,454	100.00	8.63	347,466	206,619	554,085	27	

Must Equal Figure Reported in 5.e.: 2,029,454

No rates>100%

5. MSW Management (tons)

a. Recycled (Line 4, Column 7)	554,085
b. Landfilled (Including Landfilled Combustor Ash)	1,016,794
c. Gross Combusted (WTE Input)	867,845
i. Landfilled Combustor Ash (i)	334,722
ii. Combustor Material Recycled (k)	74,548
iii. Net Combusted (Output) = 5c - 5c(i) - 5c(ii)	458,575
d. Gross MSW = 5a+5b+5c	2,438,724
e. Net MSW = 5a+5b+5c(ii)	2,029,454

(Must Equal Line 4, Column 2 of the Table and Line 4, Column 2 of TABLE 3.)

6. Adjusted Recycling Rate Calculations

a. Total tons of special wastes recycled.	184,834
(Process Fuel & Yard Waste only)	
b. Special waste recycling percent	9.1
(Divide line 6a by line 4, column 2 and multiply times 100.)	
c. Line 4, column 8 minus line 6b.	18
Adjusted Recycling Rate (6d or 6e the value not equal to 0)	
d. If line 6b is equal to or greater than 15%, enter here line 6c plus 15%.	0%
e. If line 6b is less than 15%, enter here line 4, column 8.	27%

	Landfilled		Combusted		Recycled (Unadj.)	
	Tons	%	Tons	%	Tons	%
Gross MSW Management	1,016,794	42%	867,845	36%	554,085	23%
Net MSW Management	1,016,794	50%	458,575	23%	554,085	27%

(a) Official April 1, 2006 Governor's Office population estimates.

(b) Percent Total Tons = column 2 (material type tons) divided by line 4, column 2 (total county tons collected) times 100.

(c) Pounds/Capita/Day = column 2 (material type tons) times 2,000 pound/ton divided by the 2006 county population divided by 365 days.

(d) Column 5 (Recovered Material Certified Numbers) + column 6 (Non-Certified Numbers)

= column 7 (Total Recycled Tons)

(e) Percent Recycled = column 7 (Total recycled tons) divided by column 2 (material type tons) times 100. No recycling rates can be greater than 100%.

(f) The Legislature established a goal of 50 percent for at least four out of these eight materials for recycling.

(g) The total of Process Fuel and Yard Trash can count towards no more than one half of the 30 percent recycling goal for each county.

(h) To establish ferrous tonnage, subtract known white goods tonnage from Certified ferrous tonnage (White Goods + Ferrous Metals = Certified Ferrous.)

If white goods tonnage is not known, use 16% of the Certified Ferrous tonnage for this figure.

(i) Process fuel (yard, wood and paper waste used in process boilers) should not be included in line 4, column 2 (total county tons collected), as they are accounted for in other material categories. They should be counted in line 4, column 7 (total county tons recycled).

(j) Tonnage of incinerator byproducts (i.e. ash and filtered material) disposed in landfill.

(k) Tonnage of materials recovered at the incinerator that is recycled (i.e. ash and ferrous metals.)

(l) Tonnage most likely does not include Land Clearing Debris (LCD).

TABLE 2
WASTE REDUCTION
GOALS WORKSHEET
 (January 1, 2006 - December 31, 2006)

OPEN DATA FILE before pushing button; do not alter any formats; do not enter information into shaded areas.

COUNTY: Palm Beach

1. BASE YEAR #1: July 1, 1988 - June 30, 1989

a. Total MSW disposed (landfilled plus combusted)	1,168,389 Tons
b. Population (Official April 1, 1988 figure)	831,146 People
c. MSW/Capita: 1a/1b =	1.41 Tons/Capita

2. BASE YEAR #2: July 1, 1989 - June 30, 1990

a. Total MSW disposed (landfilled plus combusted)	1,107,585 Tons
b. Population (Official April 1, 1989 figure)	865,507 People
c. MSW/Capita: 2a/2b =	1.28 Tons/Capita

3. BASE YEAR #3: July 1, 1990 - June 30, 1991

a. Total MSW disposed (landfilled plus combusted)	945,856 Tons
b. Population (Official April 1, 1990 figure)	893,305 People
c. MSW/Capita: 3a/3b =	1.06 Tons/Capita

4. BASE YEAR #4: July 1, 1991 - June 30, 1992

a. Total MSW disposed (landfilled plus combusted)	975,964 Tons
b. Population (Official April 1, 1991 figure)	883,044 People
c. MSW/Capita: 4a/4b =	1.11 Tons/Capita

5. BASE YEAR #5: July 1, 1992 - June 30, 1993

a. Total MSW disposed (landfilled plus combusted)	976,026 Tons
b. Population (Official April 1, 1992 figure)	896,970 People
c. MSW/Capita: 5a/5b =	1.09 Tons/Capita

6. BASE YEAR #6: July 1, 1993 - June 30, 1994

a. Total MSW disposed (landfilled plus combusted)	990,116 Tons
b. Population (Official April 1, 1993 figure)	918,223 People
c. MSW/Capita: 6a/6b =	1.08 Tons/Capita

7. CURRENT YEAR: January 1, 2006 - December 31, 2006

a. Total MSW disposed (Table 1, line 5b plus 5c(iii))	1,475,369 Tons
b. Population (Official April 1, 2006 figure)	1,287,987 People
c. MSW/Capita: 7a/7b =	1.15 Tons/Capita

8. WASTE REDUCTION PROGRESS (a)

a. Base Year #1 to Current Year:	$[(1c - 7c) / 1c] \times 100 =$	19%
b. Base Year #2 to Current Year:	$[(2c - 7c) / 2c] \times 100 =$	11%
c. Base Year #3 to Current Year:	$[(3c - 7c) / 3c] \times 100 =$	-6%
d. Base Year #4 to Current Year:	$[(4c - 7c) / 4c] \times 100 =$	-3%
e. Base Year #5 to Current Year:	$[(5c - 7c) / 5c] \times 100 =$	-5%
f. Base Year #6 to Current Year:	$[(6c - 7c) / 6c] \times 100 =$	-6%

(a) A negative number indicates that there has been an increase in the MSW disposal rate per capita.

TABLE 3
CURRENT MUNICIPAL SOLID WASTE
COLLECTION AND RECYCLING BY GENERATOR TYPE
(January 1, 2006 - December 31, 2006)

OPEN DATA FILE before pushing button; do not alter any formats; do not enter information in shaded areas.

SECTION A

COUNTY: Palm Beach

2006 POPULATION(a): 1,287,987

(1)	(2)	(3)	(4)	(5)	(6)
Generator Type	Collected and Recycled Jan. 1, 2006 - Dec. 31, 2006				
	Collected Tons(b)	Percent Total Tons(c)	Pounds per Capita per Day(d)	Recycled Tons	Percent Recycled(e)
1. Residential Single Family	642,043	32	2.73	175,292	27
2. Residential Multi-Family	345,484	17	1.47	94,325	27
3. Commercial	1,041,927	51	4.43	284,468	27
4. County Totals	2,029,454	100	8.63	554,085	27
Must Equal Figure Reported in Table1:	2,029,454		8.63	554,085	27

NOTE: Line 4, Columns 2,4,5,6 (Generator Type County Totals) Must Equal TABLE 1, Line 4, Columns 2,4,7,8 (County Totals).

County Average Solid Waste Disposal Fees (dollars per ton) (f)

Class I	WTE Facility	Yard Trash	White Goods	C&D	Passenger Tires	Asbestos	Out of County	Petroleum Contaminated Soils
\$28.00	\$28.00	\$25.00	\$10.00	\$40.00	\$175.00	\$150.00	\$66.00	\$150.00

(a) Official April 1, 2006 Governor's Office population estimates.

(b) Collected Tons = Tons Recycled + Tons Landfilled + Tons Combusted (Net).

(c) Percent Total Tons = column 2 (generator type tons) divided by column 2, line 4 (total county tons collected) times 100.

(d) Pounds/Capita/Day = column 2 (generator type tons) times 2,000 pound/ton divided by the appropriate county population divided by 365 days.

(e) Percent Recycled = column 5 (recycled tons) divided by column 2 (generator type tons) times 100.

(f) If any numbers are expressed in units other than dollars per ton, indicate those units beneath the number. If using a range, specify an average value.

TABLE 4
PARTICIPATION IN RECYCLING
(Average for the Calendar Year, 2006 (a))

OPEN DATA FILE before pushing button; do not alter any formats; do not enter information in shaded areas.

COUNTY:	Palm Beach	2006 POPULATION(b):	1,287,987
---------	------------	---------------------	-----------

Generator Type	Total Units in County	Residents per Unit (c)
Residential Single Family	399,306	4
Residential Multi-Family	228,860	2
Commercial	56,900	NA

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Recycling Services	County Units with Service Available	Percent of Total Units in County with Service Available(d)	County Units Participating in Available Service	Percent of County Units Participating in Available Service(e)	Percent of Total Units in County Participating(f)	Population Participating in Available Service(g)	Percent of County Population Participating in Available Service(h)
Residential Single Family							
a. Curbside collection	399,306	100	319,445	80	80	1,277,780	99
b. Drop off stations	399,306	100	99,827	25	25	399,308	31
c. Mobile drop off	0	0	0	0	0	0	0
d. Buy back centers	0	0	0	0	0	0	0
Residential Multi-Family							
a. Curbside collection	228,860	100	160,202	70	70	320,404	25
b. Drop off stations	228,860	100	34,329	15	15	68,658	5
c. Mobile drop off	0	0	0	0	0	0	0
d. Buy back centers	0	0	0	0	0	0	0
Commercial							
a. Scheduled collection	56,900	100	14,225	25	25	NA	NA
b. On call collection	56,900	100	0	0	0	NA	NA

(a) In the application narrative, include a summary of calculations/methodology used to determine average figures

(b) Official April 1, 2006 Governor's Office population estimate.

(c) The Residents per Unit figures for Residential Single Family and Residential Multi Family can be acquired from the county planning department as reported in the County's comprehensive plan.

(d) Percent of Total Units in County with Service Available = column 2 (County Units with Service Available) divided by Total Units in County times 100.

(e) Percent of County Units Participating in Available Service = column 4 (County Units Participating in Available Service) divided by column 2 (County Units with Available Service) times 100.

(f) Percent of Total Units in County Participating = column 4 (County Units Participating in Available Service) divided by Total Units in County times 100.

(g) Population Participating in Available Service = column 4 (County Units Participating in Available Service) times Residents per Unit.

(h) Percent of County Population Participating in Available Service = column 7 (Population Participating in Available Service) divided by the 2000 official population times 100.

SOLID WASTE AUTHORITY OF PALM BEACH COUNTY
7501 NORTH JOG ROAD
WEST PALM BEACH, FL 33412
PHONE: (561) 640-4000 FAX: (561) 640-3400

COMMERCIAL MATERIAL PURCHASE AGREEMENT APPLICATION

Seller's Business Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone Number: _____ Fax Number: _____

Type of Business: Individual: () Corporation: () Partnership: () Other ()

AGREEMENT: It is expressly understood that by signing this document, Seller agrees to the terms and conditions set forth on the face and reverse side of this document.

- All vehicles used for delivery must have a Solid Waste Authority decal issued upon first weigh-in.
- All vehicles must notify the Weighmasters upon weigh-in that they are a Commercial Materials vendor and provide the Solid Waste Authority account number.
- Upon tipping material, the Seller must receive signed acceptance of material by Solid Waste Authority staff. Failure to receive acceptance will result in non-payment for materials delivered, and possibly a charge for the materials.
- After tipping and receiving approval, vehicles must weigh out. Failure to do so will result in non-payment for materials.
- Should materials delivered be deemed contaminated and not acceptable, and the Seller chooses to leave material with the Solid Waste Authority, a fee will be assessed for disposal of the material. The Seller must pay cash or have an existing Solid Waste Authority charge account to pay for the disposed material.

SELLER:

Authorized Signature: _____ (Corporate Seal)

Print Name: _____

Title: _____

Date: _____

AUTHORITY:

Authorized Signature: _____ Title: _____ Date: _____

**COMMERCIAL MATERIAL
PURCHASE AGREEMENT**

THIS AGREEMENT made and entered into on the date so stated on the front side of this document by and between the **SOLID WASTE AUTHORITY OF PALM BEACH COUNTY**, (Authority) a dependent special district created pursuant to Chapter 75-473, Laws of Florida, as amended, with offices located at 7501 North Jog Road, West Palm Beach, Florida 33412 and the Seller so stated on the front of this document.

WHEREAS, Seller desires to sell to Authority certain quantities of commercially generated recyclable material (as hereinafter defined) on the terms and conditions set forth herein, and

WHEREAS, Authority desires to purchase from Seller certain quantities of commercially generated recyclable material (as hereinafter defined) on the terms and conditions set forth herein; and

NOW THEREFORE, in consideration of the mutual promises and agreements contained herein, the parties hereto, intending to be legally bound, hereby agree as follows:

1. DEFINITIONS

- a) **CONTAMINATION** shall mean garbage, Hazardous Waste as herein defined, food contamination, or any other material other than Old Corrugated Containers or Sorted White Ledger, as herein defined.
- b) **FACILITIES** shall initially mean the Commercial Materials Recycling Facility, owned and designated by the Authority to receive commercial recyclables located at 6554 North Jog Road, West Palm Beach, Florida, 33412. The Authority may at any time, designate other Authority owned facilities upon written notice to the Seller.
- c) **GARBAGE** shall mean all putrescible waste which generally includes but is not limited to kitchen and table food waste, animal, vegetative, food or any organic waste that is attendant with or results from the storage, preparation, cooking or handling of food materials whether attributed to residential or commercial activities.
- d) **HAZARDOUS WASTE** shall mean solid waste as defined by the State of Florida Department of Environmental Regulation as a hazardous waste in the State of Florida Administrative Code, or by any future legislative action or by federal, state or local law.
- e) **OLD CORRUGATED CONTAINERS (OCC)** shall mean loads of commercially generated corrugated containers having liners of either test liner, jute or kraft. Loads shall consist of at least ninety-five percent (95%) OCC and no more than five percent (5%) by volume of Sorted White Ledger as herein defined, other paper typically generated by an office, or Contamination. However, no more than two-fifths (2/5) of the five percent (5%) by volume may be Contamination.
- f) **PROCESSING COSTS** shall mean all Authority costs associated with the preparation of commercially generated recyclable material for market. Costs shall include capital costs, operating costs, administrative costs and residue disposal costs. Processing Costs shall be \$23.60 per ton and may be adjusted at any time for any significant cost component changes or any budgetary changes.
- g) **SORTED WHITE LEDGER (SWL)** shall mean loads of commercially generated paper typically produced by offices, containing primarily white groundwood free ledger, bond, writing, and all other papers which have a similar fiber and filler content. Loads shall consist of at least ninety-five percent (95%) SWL and no more than five percent (5%) by volume of OCC, other paper typically generated by an office, or Contamination. However, no more than two-fifths (2/5) of the five percent (5%) by volume may be Contamination.

2. TERM

The initial term of this Agreement shall be for one (1) year from the effective date of the Agreement. At the conclusion of the initial term, this Agreement will be automatically renewed for one (1) additional year unless either party notifies the other of termination. Seller must notify the Authority of intent to terminate at least ninety (90) days prior to expiration of the initial term.

3. SALE OF MATERIAL

Seller agrees to sell to Authority and Authority agrees to purchase from Seller, subject to the terms and conditions set forth herein, all Old Corrugated Containers (OCC) and all Sorted White Ledger (SWL) generated by Seller during the term of this Agreement.

4. PURCHASE PRICE

The price paid per ton by Authority to Seller shall be calculated separately for each commodity as follows: total monthly revenue received by the Authority for the commodity less Processing Costs then divided by the total monthly tons received then further multiplied by eighty percent (80%) $(((\text{Rev}-\text{cost})/\text{tons}) \times .80)$.

5. CONTAMINATION

Each load of material shall be inspected at time of delivery by authorized personnel of Authority to determine type of material and percentage of Contamination, if any. If a load contains less than ninety-five percent (95%) of material other than OCC or SWL, the Seller shall have the option to a) if the contamination is other than commercial fiber, Seller may leave the load with the Authority and receive no payment for the load; b) if the contamination is other than commercial fiber, Seller may leave the load with the Authority, receive no payment for the load and be charged the current appropriate disposal fee; or c) remove the load from the Facilities and dispose of the load through other means.

If more than four (4) loads delivered to Authority by Seller in any thirty (30) day period are considered by Authority to be contaminated, Seller will be notified by mail and given thirty (30) days to clean up the material at the source. Failure to clean up loads will result in termination of agreement.

If Seller delivers to Authority any load containing Hazardous Waste, Seller will immediately be notified and given the option to clean up the material. If Seller delivers to Authority more than two times during any twelve (12) month period, any load containing Hazardous Waste, Authority may terminate this Agreement.

6. TERMS OF PAYMENT

Authority agrees to pay for Seller's preceding month's OCC or SWL within forty-five (45) days. If Seller delivers less than two (2) tons total of OCC and SWL combined, Authority reserves the right to withhold payment to Buyer until such time as the total tons delivered by Buyer exceeds two (2) tons. All deliveries shall be weighed at time of delivery to Authority's Facilities in accordance with industry standards. All weights as stated on Authority's weigh tickets issued at time of delivery shall be final.

7. FAILURE TO DELIVER

If Seller fails to deliver any OCC or SWL to Authority's Facilities for three (3) consecutive months, Authority shall notify Seller by mail of intent to immediately terminate Agreement. Seller may reactivate Agreement upon payment to Authority of a one hundred-fifty dollar (\$150.00) reactivation fee.

8. INDEMNIFICATION

Having considered the risks and potential liabilities that may exist during the performance of the services and in consideration of the promises included herein, the Authority and the Seller agree to allocate such liabilities as follows:

Seller agrees to protect, defend, indemnify, and hold harmless the Authority, its employees and representatives, from any and all claims and liabilities including all attorney's fees and court costs, including appeals, for which the Authority, its employees and representatives, can or may be held liable as a result of injury (including death) to persons or damage to property occurring by reason of any acts or omissions of the Seller, its employees, or agents, arising out of or connected with this Agreement. The Seller shall not be required to indemnify the Authority or its agents, employees, or representatives, when an occurrence results solely from the wrongful acts or omissions of the Authority, or its agents, employees or representatives.

Upon completion of all obligations and duties provided for in this Agreement, or in the event of termination of this Agreement for any reason, the terms and conditions of this Article shall survive.

SUBSTITUTE W-9

1. What is the name under which you file your Federal Income Taxes with the Internal Revenue Service?

PLEASE PRINT OR TYPE

NAME _____
ADDRESS _____
CITY _____ ST _____ ZIP _____
TELEPHONE NUMBER _____

2. What is your business type - Check One

_____ Corporation	_____ Partnership
_____ Government	_____ Proprietorship
_____ Charitable Organization	_____ Private Individual

3. What is the Taxpayer Identification number used to report your income to the IRS?

Federal Employer I.D. Number _____ - _____
Social Security Number _____ - _____

(NOTE: Individuals, sole proprietorships and partnerships should list the applicable Social Security Number. Others should list the applicable Federal Employer I.D. Number.)

4. Please indicate the transaction types for which payments are made to you:

_____ Service Only
_____ Service & Material
_____ Rents
_____ Material Only
_____ Other

(describe) _____

5. CERTIFICATION: UNDER PENALTIES OF PERJURY, I CERTIFY THAT THE NUMBER SHOWN ON THIS FORM IS MY CORRECT TAXPAYER I.D. NUMBER AND THAT THE ABOVE REFERENCED ENTITY OR PERSON IS NOT SUBJECT TO BACKUP WITHHOLDING.

Signature _____ Date _____

Title _____

RETURN TO:

SOLID WASTE AUTHORITY OF PALM BEACH COUNTY
7501 NORTH JOG ROAD
WEST PALM BEACH, FL 33412
ATTN: MICHELLE NAPIER
Phone: (561) 640-4000 Ext. 4530 - Fax: (561)-683-4067



I'm Groovin' News and I'm here to give you the scoop on recycling.

DID YOU KNOW?

Each year the United States produces 150 million tons of solid waste. One-third of that (50 million tons) is paper.

Many green growing plants remove carbon dioxide and other pollutants from the air to create fresh air that we breathe.

In 1989, more than 2 billion seedlings were planted in the United States. In 1991, 6 new trees were planted for every U.S. Citizen.

WORD UNSCRAMBLE

W I E S T F E R R O T A O N
Replanting plants and trees on over-cut land _____

N F I S A R O E R T

A hot, steamy jungle which is home to half of the Earth's plant and animal species

L I L D A L F N

Where your solid waste goes if it is not recycled

C O G O Y E L

Scientific study of plants and animals in the places where they live _____

P R E S W A N E P

Item that is easily recycled _____

N V I M R E O N N T E

The air, water and land around us

R I S E O O N

The wearing away of the Earth's surface by wind or water. It can be accelerated by the removal of trees and plant life _____

WORD FIND

Find the environmental words listed. They run backwards, forwards and diagonally, so look closely!

ECOLOGY

EARTH

ENVIRONMENT

OZONE

RECYCLING

ENERGY

LANDFILL

NEWSPAPER

RESOURCE

GROOVIN NEWS

CARBON DIOXIDE

PRECYCLE

TRASH

SOLID WASTE

A N P E D I X O I D N O B R A C
M R L C N H X D W X H D V A E O
Q P B M W O T H C K J S L E N E
Y G O L O C E R G T H R A U E T
E G U V J E Y F A N I E I R B S
C W R T O K E A R E A P Y C T A
R S X E E P F S Z M K A J E W W
U Y Q I N R Q G T N L P S L T D
O X R D H E N O Z O Z S M C D I
S G N I L C Y C E R V W E Y P L
E K Y G Z A A U Z I S E R C Q O
R B B J C G R O O V I N N E W S
C C A E L L I F D N A L F R O X
I Z D H F L B M Y E G T V P U N

Things You Can Do

- If your school has a school paper, suggest that it be printed on recycled paper.
- Write a story for your paper on the environment.
- Write on both side of your paper.
- Wrap gifts in the colorful newspaper comics.
- Precycle - buy gifts without excessive packaging.
- Have a newspaper drive. See whose class can recycle the most paper.





hi

boys and girls, I'm Radical Glass. I'm a ketchup bottle now, but I was a soda bottle before. I've been recycled many times and I'm glad! Thanks to people who recycle, I'm not just sitting in a landfill taking up valuable space. Instead, I'm saving resources and energy. This activity sheet will help you understand how you can help our environment! Let's start...

RADICAL GLASS

Example: *CALL*

Recycle the letters in my name to make new words. Whoever recycles the most wins!

Circle the glass items that can be recycled.

GLASS JARS

DRINKING GLASSES

DISHES

WINDOW GLASS

LIGHT BULBS

CERAMIC PLATES

SODA BOTTLES

MAYONNAISE JAR



Things You Can Do

Fill a glass jar from home with water. Then place a sweet potato with toothpicks (4-5) around the middle into the water. Roots will grow into the water and leaves will sprout from the top. In a few weeks, you can plant the potatoes in soil and grow more potatoes.

WORD FIND

Find the environmental word listed. They run backwards, forwards and diagonally, so look closely!

ALUMINUM
EARTH
ENERGY
ENVIRONMENT
IGLOO
GLASS
LANDFILL
LITTER
MILKJUG
NEWSPAPER
RECYCLE
RESOURCES
SCHOOL
SODA CAN
SUNNY SAM
TRASH CAN

E N E W S P A P E R L
N A V Y U B C G G A I
V A L A N D F I L L T
I T R B N T D V A U T
R R E C Y C L E S M E
O R S L S C J I S I R
N S O D A C A N W N F
M K U D M I L K J U G
E A R T H M E O D M E
N S C H O O L G I I N
T P E N E R G Y F Y E
S O S T R A S H C A N

Did YOU Know?

Americans drink more than 10 million bottles and cans of soft drinks every 20 minutes. These can all be recycled.

By recycling one glass container, enough energy is saved to run a 100 watt lightbulb for 4 hours.

Turn this sheet over and create your own glass recycling character. Don't forget to name it!



Name: _____ Date: _____

“History of Garbage”

People who lived during Prehistoric times usually lived together in small groups and would travel across the land very often. Their garbage was thrown directly on the land. Since they did not stay in one place for a long time, the garbage was not a problem.



In early civilizations, there was no garbage collection. The people left garbage on the floor of their home. Sometimes it was even thrown in the roadway or in rivers. The Egyptians threw their garbage in the Nile River! Can you imagine what the river looked like?

About 500 B.C., the Greek people built the first dump-style area for garbage. The Greeks established a law that required garbage to be thrown away at least one mile away from the city walls. They also established a law that made it illegal to throw garbage on the streets.



During the Middle Ages, civilizations became more populated. Most people threw garbage into the streets. Pigs walked freely down the street eating the garbage. There weren't any garbage trucks that came and picked up the garbage. It was not very healthy to leave rotting food and other garbage in the streets. Insects, rats and other animals would go into the streets to eat the food. In fact, the rats spread a disease known as the Bubonic plague that killed thousands and thousands of people.

In the late 1700's, Benjamin Franklin started the first garbage collection service and street-cleaning service. Also during this time people began digging holes and burying their garbage in their own backyard rather than throw it into the street. As a result, there was less garbage on the streets and health conditions improved.



In England during the 1800's garbage was burned. During the early 1900's in the United States, garbage was placed in a dump or placed in the ocean, rivers or it was burned.

During the middle of the 1900's, garbage was placed in sanitary landfills which are more environmentally-friendly.

In Palm Beach County, your garbage is burned and used to make electricity. Then the ashes that remain from the burning process are placed in the landfill.

- Source: American Forest & Paper Association





Steel Can Recycling Information

Steel cans and other steel items are recycled in Palm Beach County when residents place them in the garbage or the recycling bins. When steel cans are thrown in the garbage, they are removed at the Solid Waste Authority (SWA) of Palm Beach County's Waste-to-Energy facility (*this is the facility where garbage is shredded, burned and used as a fuel source*) by a large magnet. After the steel is separated, it is placed in a machine which cleans and crushes it into nuggets. Afterwards, the nuggets are shipped from the SWA to steel mills where the actual recycling takes place.

When steel cans are placed in a recycling bin, they are separated from the other recyclables by a magnet and then baled. The bales are shipped to mills that melt the steel so that it can be used to make recycled steel products such as steel cans, construction beams, parts of cars and parts of trucks.

Interesting Steel Recycling Facts

- Every ton of steel recycled saves 2,500 pounds of iron ore, 1,000 pounds of coal, and 40 pounds of limestone.*
- In 1994, the automobile recycling industry recycled enough steel from old cars to produce almost 13 million new cars.*
- Americans discard enough iron and steel products to supply all of the automakers in America continually with the necessary amount of steel to build cars.**

Source: *Steel Recycling Institute, **Recycler's Handbook

For more information, access the Steel Recycling Institute at <http://www.recycle-steel.org>

Aluminum Can Recycling Information

The aluminum can was invented in 1968. Aluminum cans are made from bauxite ore which is a non-renewable resource mined from the ground. This mining process creates pollution and consumes energy. Therefore, recycling aluminum cans reduces pollution, conserves energy and saves landfill space.

Aluminum cans placed in recycling bins are collected and brought to the Solid Waste Authority (SWA) of Palm Beach County's Materials Recycling Facility (MRF) where they are separated from other recyclables and then baled. The aluminum bales are loaded onto semi-trailer trucks and transported from the MRF to aluminum manufacturing plants where they are melted into a liquid form. Afterwards, the aluminum is cooled and then poured into a flat mold which gives it a long, rectangular shape. A flat sheet of aluminum is formed after the aluminum solidifies in the mold. The sheets of aluminum are sold to companies that make them into recycled products, such as aluminum cans. It takes approximately 60 days for an aluminum can to be recycled and appear back on store shelves.

Interesting Aluminum Can Recycling Facts

- Since 1972, approximately 13 million tons of aluminum have been recycled. That's enough aluminum cans to place side by side and stretch from the earth to the moon 190 times.*
- It takes approximately 32 aluminum cans to make 1 pound of aluminum.*
- The first aluminum can was made in 1968.**
- Aluminum was worth more than gold when it was discovered.**
- Americans throw away enough aluminum every 3 months to rebuild the entire commercial air fleet in America.**

Source: *Aluminum Can Manufacturers Institute, ** Recyclers Handbook
For Reynolds Aluminum Corp - <http://www.rmc.com>

Paper Recycling Information

Newspapers and other paper products collected from residents are brought to the Solid Waste Authority (SWA) of Palm Beach County's Materials Recycling Facility where they are separated according to grade (*quality of paper*). All the newspaper is placed in a separate pile, all the cardboard is placed in a separate pile, all the magazines are placed in a separate pile and all the mixed paper is placed together in a pile. Once the paper is sorted, it is baled or loaded loosely onto trucks that transport it to paper manufacturing mills. At the mills, the paper is loaded onto conveyor lines which move it to a pulper which is a machine filled with water that has steel blades on the bottom. When the pulper is turned on, it tears the soaked paper apart and the ink is dissolved with chemicals. (*Sometimes chemicals are also added to whiten the fiber.*) At this point, the paper is referred to as "slurry" because it is mainly water mixed with paper fiber. The slurry is sprayed through two fabric belts which squeeze out some of the water. Then the slurry is carried by a conveyor to steel rollers which squeeze more water out of the fiber. Afterwards, a conveyor carries the slurry to numerous heated rollers which dry it. Following this, the slurry is pressed between steel rollers which smooths it into dry, flat paper. Finally, the paper goes to a machine which cuts it into the specified size and then winds it onto cardboard tubes. The paper is then loaded onto trucks and transported to companies that purchase the recycled paper.

Low-grade paper can be recycled into egg cartons or fiberboard. High-grade paper can be recycled into envelopes, writing paper and office paper. Other grades are recycled into toilet tissue and paper towels. Regardless of the quality of paper, there is a limit to the number of times paper can be recycled because each time it is recycled the fiber gets thinner and thinner.

Interesting Paper Recycling Facts

- It takes 17 trees to make 1 ton of paper.**
- A stack of newspaper 3 1/2 feet high will save one Southern Pine tree.*
- Americans purchase 62 million newspapers everyday and discard 44 million of them.***
- Phone books are made with the lowest possible quality paper; however, they can still be recycled and made into ceiling tiles, textbook covers and insulation.***

Source: *World Wildlife Federation, **American Forest and Paper Association, ***Recyclers Handbook
For more information access the Mead Corporation at <http://www.mead.com> or the American Forest and Paper Association at <http://afandpa.org>

Glass Recycling Information

Glass bottles and jars placed in recycling bins are collected from Palm Beach County residents and brought to the Solid Waste Authority (SWA) of Palm Beach County's Materials Recycling Facility where workers sort them according to their color: green, clear or brown. After the glass is sorted, it is placed in trucks which transport it to glass manufacturing companies. These companies mechanically remove the product labels, metal lids and then crush the glass. The crushed glass, also called cullet, is mixed with sand, soda ash and limestone and heated at a temperature of 2,800 degrees Fahrenheit. After the cullet is heated sufficiently, it will liquify into molten glass. The molten glass is poured into glass container molds to form recycled glass bottles, jars and other products.

Recycling glass saves natural gas and electricity because the cullet melts easier than sand; therefore, the furnace does not have to be set at as high a temperature.

(Windows, drinking glasses, dishes, light bulbs, pyrex and mirrors are made from glass that has different ingredients than what is used in glass bottles and jars. Therefore, these items are not accepted for recycling in Palm Beach County.)

Interesting Facts About Glass Recycling

- Approximately 41 billion glass containers are produced in the United States (U.S.) each year.*
- Glass-making has been recorded as early as 5,000 B.C.*
- Every glass container made today has a percentage of recycled glass in its contents.*
- We save the following each time we recycle a ton of glass: 1,330 pounds of sand, 433 pounds of soda ash and 433 pounds of limestone.**

Source: *Glass Packaging Institute, ** Recyclers Handboo

Plastic Recycling Information

Plastic containers that are placed in recycling bins are collected and brought to the Solid Waste Authority (SWA) of Palm Beach County's Materials Recycling Facility. The containers are sorted according to the number on the container *(the number on plastic containers indicates the particular type of plastic that was used to construct the container)*. Afterwards, the plastic is baled and loaded onto semi-trailer trucks. The plastic is transported from the MRF to a plastic manufacturing mill where it is cleaned, washed and either cut into flakes by a grinder or pellitized. Then the flakes or pellets are melted and stretched to form plastic fiber.

Recycled plastic can be used to make a variety of products including t-shirts, carpets, recycled plastic containers, hoses, plastic lumber, street signs, pens, recycling bins, fiberfill for sleeping bags, notebooks and many more products.

Interesting Facts About Plastic Recycling

- The first PET (plastic # 1) bottle was recycled in 1977.*
- Five PET bottles will provide enough fiber to make an extra-large t-shirt
- It takes five two-liter PET bottles to make one square foot of carpet.*
- It takes 35 two-liter PET bottles to make enough fiberfill for a ski jacket.*
- It takes 1,050 milk jugs to make a 6 foot plastic park bench.**
- Every hour Americans consume 2 ½ million plastic bottles. **
- SWA's recycling bins are made from post-consumer recycled plastic.

Source: * NAPCOR

**Recyclers' Handbook

For more information, please visit the American Plastics Council website at www.plasticsresource.com

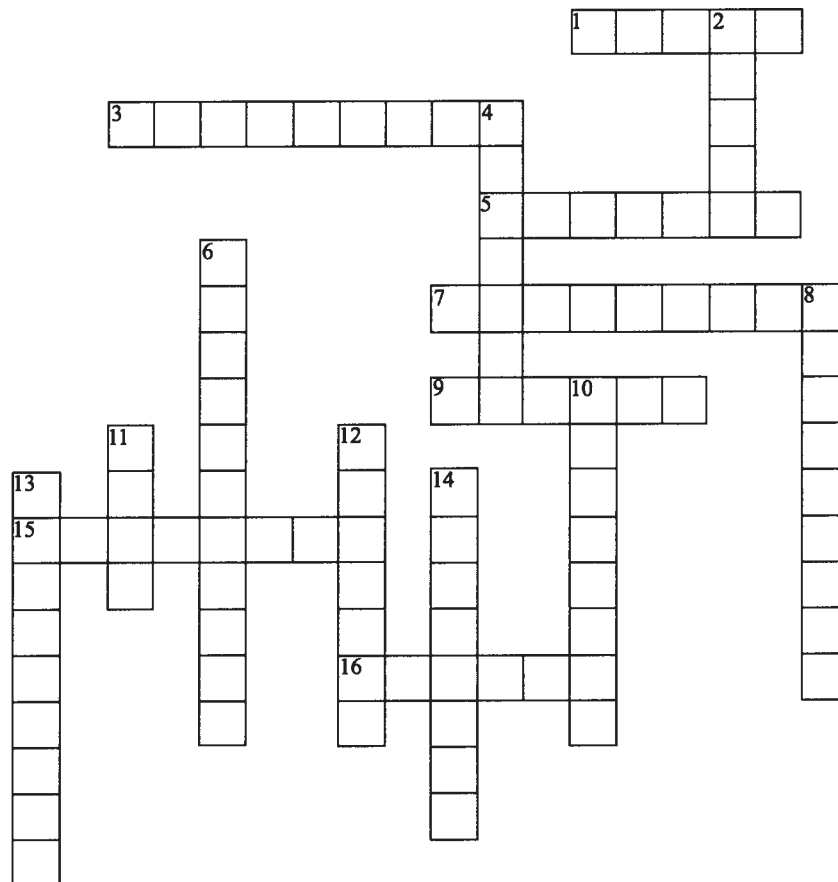
Plastic Recycling

Code	Original Plastic	New Products
1 (PET) Polyethylene Terephthalate	Soft-drink bottles, peanut butter jars, salad dressing bottles, frozen-food trays	Surfboards, film, paint brushes, skis, carpets, soft-drink bottles
2 (HDPE) High Density Polyethylene	Detergent bottles, milk and water jugs, toys, grocery bags*	Flowerpots, trash cans, trash bags, stadium seats, toys, detergent bottles, plastic lumber
3 (V) Polyvinyl Chloride	Shampoo bottles, clear food wrap	Floor mats, pipes, hoses, mud flaps on trucks
4 (LDPE) Low Density Polyethylene	Bread bags, frozen-food bags	Grocery and other types of bags, lawn furniture
5 (PP) Polypropylene	Ketchup bottles, yogurt cups, other food containers	Food trays, car battery parts, brooms, video cassette storage cases
6 (PS) (styrofoam) Polystyrene	Plastic spoons, foam cups and trays*	Trash cans, egg cartons, hangers, flower pots, building insulation, rulers
7 Other Plastics	Packages with many layers of materials	Plastic lumber, limited number of recycled products such as pens and street signs

Bolded items ARE acceptable in Palm Beach County's residential recycling program.

** These items should be dropped off at grocery stores to be recycled.*

Recycle Right!



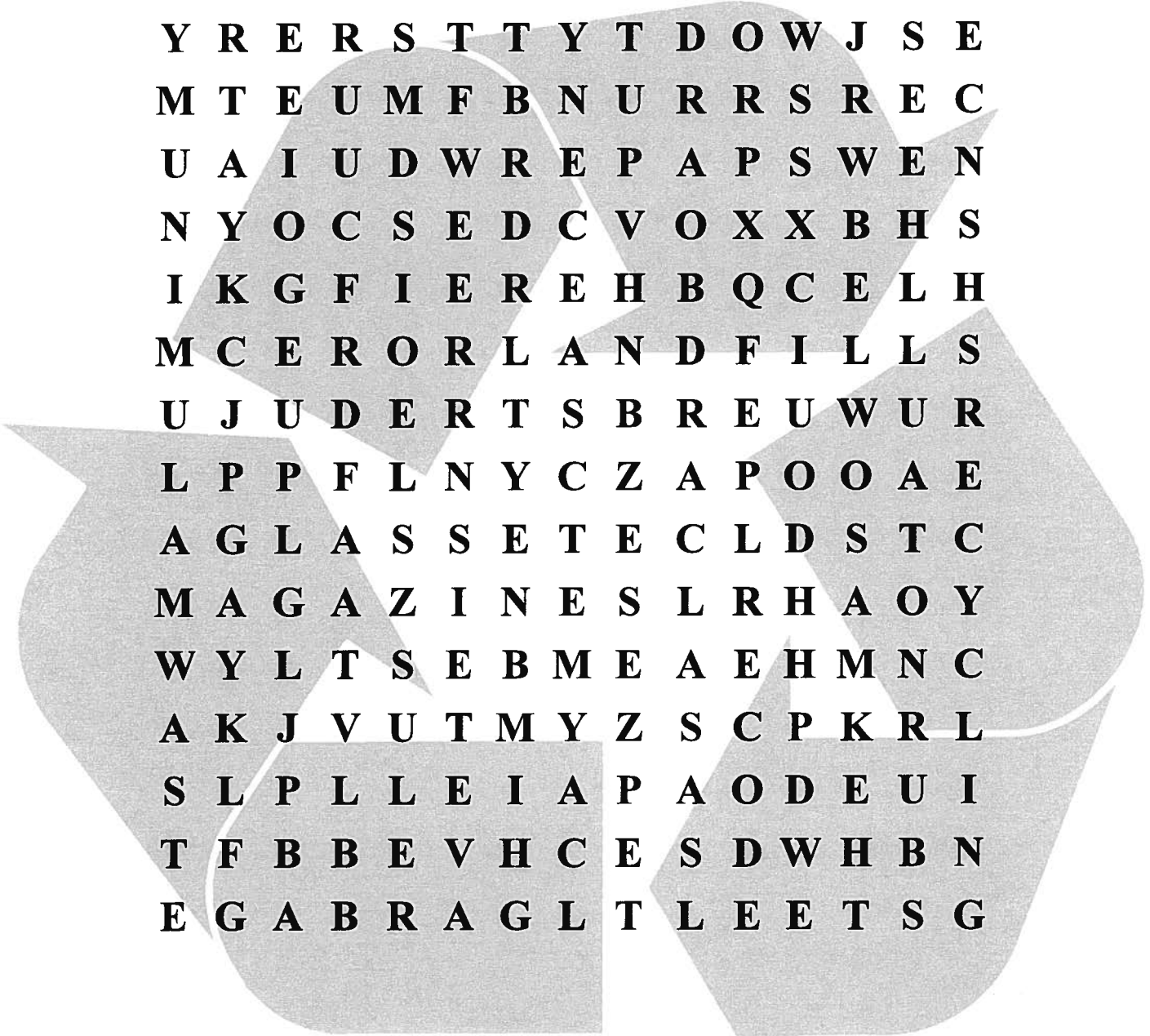
Across

1. 3 colors, green, blue, and clear
3. The way to reduce the amount of garbage we produce
5. Reduce, Reuse,...
7. Common Household Hazard Waste
9. Bin that newspaper goes in
15. What pie plates, tin foil, and cans are made out of
16. Place where you can recycle computer paper

Down

2. Item gathered with a magnet at the Waste to Energy Plant
4. 2500 tons are processed a day at the Waste to Energy Plant
6. Energy made from burning garbage
8. Plastic that we do not accept at SWA
10. Where the ashes and trash are buried
11. Color bin where aluminum cans are placed
12. Natural fertilizer
13. Goes into yellow bin and must be corrugated
14. Water that runs through the landfill that is harmful to the environment

Recycling Matters



Y R E R S T T Y T D O W J S E
M T E U M F B N U R R S R E C
U A I U D W R E P A P S W E N
N Y O C S E D C V O X X B H S
I K G F I E R E H B Q C E L H
M C E R O R L A N D F I L L S
U J U D E R T S B R E U W U R
L P P F L N Y C Z A P O O A E
A G L A S S E T E C L D S T C
M A G A Z I N E S L R H A O Y
W Y L T S E B M E A E H M N C
A K J V U T M Y Z S C P K R L
S L P L L E I A P A O D E U I
T F B B E V H C E S D W H B N
E G A B R A G L T L E E T S G

ALUMINUM
BURN
ELECTRICITY
GLASS
LEACHATE
PLASTIC
REUSE
WASTE

ASHES
CARDBOARD
ENERGY
HAZARDOUS
MAGAZINES
RECYCLING
STEEL
YELLOW

BLUE
COMPOST
GARBAGE
LANDFILL
NEWSPAPER
REDUE
STYROFOAM

Holiday Collection Schedule

Your waste hauler works on all holidays but two. **There is no collection service on Thanksgiving Day or Christmas Day and there is no make-up day.** If your collection day falls on one of these two holidays, your service will resume on your next scheduled collection day.

Horario De Colección para Días Festivos

Su transportador trabaja todos los días de fiesta con excepción a **los siguientes días festivos, Día de Acción de Gracias y Día de Navidad** en los cuales su transportador **no proveerá servicio de colección.** Si su día de servicio cae en uno de estos días festivos, su servicio reasumirá en el **próximo día designado para colección para su área.**



Curbside Collection
Guidelines for
UNINCORPORATED
Palm Beach County Residents



Service is between the hours of
6:00 am and 5:00 pm. Please have all garbage,
bulk, recycling and yard waste curbside by
6:00 am on your scheduled collection day.

Customer Information Services
(561) 697-2700 or 1-866-792-4636 toll-free

www.swa.org

Garbage Service

(2 times per week)

Please have your garbage curbside before 6:00 a.m.
on your scheduled collection day only.



Your garbage is collected manually and you must follow the **50/50 rule**. Garbage must be containerized in standard **32-50 gallon** cans or sealed plastic bags. Containers and contents can weigh no more than **50 pounds**. Any container exceeding the **50 gallon** capacity limit **will not** be serviced.

All garbage must be placed in front of your home and within 6 feet of the edge of the traveled portion of the roadway.

Garbage must not be stacked over water or gas meters, under low hanging branches or utility wires or within 4 feet of mail boxes or fire hydrants.

DO NOT MIX GARBAGE WITH YARD WASTE (VEGETATION)

Your waste hauler is not required to collect any debris that does not meet the above guidelines. If your debris does not meet guidelines and is not collected you may do one of the following:

- 1) *Correct the debris to meet required collection guidelines. Once corrected it will be picked up on **your next scheduled service day** or:*
- 2) *Transport the material directly to SWA's landfill located at 6600 North Jog Road in West Palm Beach (west of the Turnpike, between 45th Street and the Beeline Highway). IF YOU ELECT TO TRANSPORT THE MATERIAL TO THE LANDFILL PLEASE BE AWARE YOU WILL BE CHARGED FOR THE DISPOSAL COST AND CASH IS REQUIRED!*

Llame al departamento de Servicios de Información al Consumidor del SWA para:

- Servicio de colección residencial de basura, vegetación, reciclaje para las áreas no-incorporada:
 - Problemas de Servicio incluyendo falta de recojido
 - Pautas del servicio de la colección
 - Días de Servicio de colección
 - Ordenar Recipientes de Reciclar
 - Horario De Colección para Días Festivos
- Información y Preguntas Sobre:
 - Gravamen y facturación de basura sólida
 - Desperdicios Caseros Peligrosos Al Medio Ambiente
 - Localizaciones y horas de operación de facilidades de disposición
 - Localizaciones para desalojar Reciclaje
- Programas de servicio a la comunidad y oportunidades para ser voluntario:
(561) 697-2700 or 1-866-792-4636 toll free
- Visitas con guías y presentaciones:
(561) 640-4000
- Reportar disposición ilegal:
(561) 697-2700 or 1-866-792-4636 toll free
- Para información adicional visite nuestra página web:
www.swa.org

Call the Solid Waste Authority Customer Information Services Department for:

- **Unincorporated** residential garbage, yard waste, or recycling collection services:

- service problems including missed pickups
- collection service guidelines
- collection service days
- order a recycling bin
- holiday schedule

- **Questions and Information About:**

- solid waste assessment and billing
- household hazardous waste
- disposal facility locations and hours of operation
- recycling drop-off locations

- **Community Service & Volunteer Programs:**

(561) 697-2700 or 1 (866) 792-4636 toll free

- **Tours/Presentations:**

(561) 640-4000

- **Report Illegal Dumping:**

(561) 697-2700 or 1-866-792-4636 toll free

- **For Additional Public Information Visit Our Website:**

www.swa.org

Servicio de Basura

(2 veces por semana)

Por favor, coloque su basura a la orilla de la acera antes de las 6:00 a.m.
en el día designado para servicio en su área.



Su basura se recoge manualmente y usted debe seguir la regla del 50/50. Toda basura debe ser colocada en un recipiente de 32 a 50 galones de capacidad o dentro de bolsas plásticas selladas. Si usa recipientes de basura ó bolsas plásticas no deben exceder más de cincuenta libras cada una, una vez llenas y deben ser cerradas ó

atadas. No se recogerá ni se le dará servicio a ningún recipiente o bolsa plástica que exceda el límite de capacidad de 50 galones.

Toda basura residencial deberá ser colocada a no menos de seis pies de su acera ó pavimento público al lado de la carretera.

La basura no se debe colocar sobre los metros de agua o de gas, debajo de ramas o de alambres de utilidad. La basura se debe mantener a 4 pies de distancia de los buzones de correo o de las bocas de incendio.

NO MEZCLE LA BASURA CON LA BASURA DE SU PATIO (VEGETACIÓN)

No se le requiere a su transportador recoger ningún tipo de escombros o desechos que no cumplan con los requerimientos antedichos de colección. Si su transportador no le recoge los escombros o desechos debido a que no cumplan con los criterios establecidos de colección, puede hacer lo siguiente:

- 1) Corrija los escombros o desechos de acuerdo a los requerimientos de colección. Una vez que sea corregido, se le recogerá el material dentro del próximo día programado para servicio en su área o,
- 2) Transporte el material directamente al vertedero del SWA localizado en el 6600 North Jog Road en West Palm Beach (al oeste del Turnpike, entre la calle 45 y el Beeline Highway). ¡SI USTED ELIGE TRANSPORTAR EL MATERIAL AL VERTEDERO, POR FAVOR ENTIENDA QUE LE COBRARAN POR LA DISPOSICIÓN Y SOLO PODRÁ PAGAR CON DINERO EN EFECTIVO!

Trash/Bulk Items

(2 times per week)

Please have your trash/bulk items curbside before 6:00 a.m.
on either scheduled collection day only.



Bulk Items

Discarded furniture and appliances as well as other household items including toilets, bathtubs, water softeners, and similar household goods that will not fit into a standard garbage can is collected twice per week and may be placed curbside with the regular household garbage.

For safety reasons:

Please remove or seal doors on refrigerators, freezers, washers and dryers before placing

outside for collection so that children can not crawl inside and become trapped.

All mirrors, glass doors, glass table tops, pane glass windows, etc. must be broken up and containerized in solid containers (no plastic bags). Container and contents must weigh less than **50 pounds**.

Up to 2 tires, **off the rim**, are collected curbside per year. Place them at the curb with your regular household garbage on either garbage collection day.

Construction Debris

Debris from **minor home repairs** such as replacing a rotted piece of trim or a broken tile. Construction debris is limited to 2 cubic yards per collection day (equal to a standard size refrigerator) and must follow the **50/50 rule**. Debris must be containerized in standard **32-50 gallon** cans or sealed plastic bags. Containers and contents can weigh no more than **50 pounds**. Carpeting must be cut to 4 foot lengths, rolled up and weigh less than **50 pounds**.

With the exception of carpeting, any construction debris from minor home repairs that is placed upon the ground and not containerized will not be collected.

Your waste hauler is not required to collect any debris that does not meet the above guidelines. If your debris does not meet guidelines and is not collected you may do one of the following:

- 1) *Correct the debris to meet required collection guidelines. Once corrected it will be picked up on **your next scheduled service day** or:*
- 2) *Contact your current waste hauler for their contracted special service fee.*
- 3) *Contact any other private hauler listed in the Yellow Pages under "Rubbish Removal" for their collection rate.*
- 4) *Transport the material directly to SWA's landfill located at 6600 North Jog Road in West Palm Beach (west of the Turnpike, between 45th Street and the Beeline Highway). IF YOU ELECT TO TRANSPORT THE MATERIAL TO THE LANDFILL PLEASE BE AWARE YOU WILL BE CHARGED FOR THE DISPOSAL COST AND CASH IS REQUIRED!*

Los siguientes artículos no son recogidos en la orilla de su acera

- **Desechos de construcción, remodelación ó destrucción (C&D)** de una estructura incluyendo pero no limitado a tejas o ripias (material para techos), verjas, cobertizos, bloques de concreto, ladrillos, asfalto, etc.
- **Desechos de Piezas de mecánica** no serán recogidos en la orilla de su acera incluyendo pero no limitado a piezas de carros, botes, embarcaciones marinas o embarcaciones de agua, carritos de golf, motocicletas, equipos de cortar grama, motores de combustión, etc.
- **Limpieza de escombros de vegetación**, troncos de árboles, tierra suelta, raíces con tierra, árboles enteros, etc. no será recogida en la orilla de su acera.

Los residentes pueden hacer lo siguiente para disponer de sus Desechos de construcción, remodelación, destrucción ó limpieza de escombros de vegetación no-aceptable:

- 1) Comuníquese con su transportador de basura para su tarifa contractual de servicios especiales.
- 2) Comuníquese con cualquier otro transportador privado localizado dentro de las Páginas Amarillas bajo "Retiro de Desperdicios" para su tarifa de colección.
- 3) Alquile un depósito de basura de cualquier transportador de transbordo autorizado listado en la página web del SWA (www.swa.org).
- 4) Transporte el material directamente al vertedero del SWA localizado en el 6600 North Jog Road en West Palm Beach (al oeste del Turnpike, entre la calle 45 y el Beeline Highway). ¡SI USTED ELIGE TRANSPORTAR EL MATERIAL AL VERTEDERO, POR FAVOR ENTIENDA QUE LE COBRARÁN POR LA DISPOSICIÓN Y SOLO PODRÁ PAGAR CON DINERO EN EFECTIVO!

Never Collected Curbside

- **Major construction, demolition and remodeling debris** are never collected curbside. Debris includes but is not limited to roofing shingles, fencing, sheds, concrete blocks, bricks, asphalt, etc.
- **Automotive debris of any kind** is never collected curbside. Debris includes but is not limited to car parts, boat parts, water craft, golf carts, motorcycles, lawn equipment, etc. as well as combustion engines.
- **Land Clearing** is never collected curbside and includes but is not limited to stumps, dirt, rootballs, whole trees, etc.

Residents may do one of the following for non-acceptable construction and demolition, automotive and land clearing debris:

- 1) Contact your current waste hauler for their contracted special service fee.
- 2) Contact any other private hauler listed in the Yellow Pages under "Rubbish Removal" for their collection rate.
- 3) Rent a roll-off dumpster from any permitted roll-off hauler listed on SWA's web site (www.swa.org).
- 4) Transport the material directly to SWA's landfill located at 6600 North Jog Road in West Palm Beach (west of the Turnpike, between 45th Street and the Beeline Highway). **IF YOU ELECT TO TRANSPORT THE MATERIAL TO THE LANDFILL PLEASE BE AWARE YOU WILL BE CHARGED FOR THE DISPOSAL COST AND CASH IS REQUIRED!**

Basura Voluminosa

(2 veces por semana)

Por favor, coloque su basura a la orilla de la acera antes de las 6:00 a.m. en el día designado para servicio en su área.



Artículos Voluminosos

Desechos voluminosos del hogar como muebles, tocadores, electrodomésticos, retretes (inodoros), bañeras, unidades de suavizar el agua u otros artículos de hogar que no quepan dentro de su recipiente de basura, serán recogidos dos veces por semana y pueden ser colocados al lado de su basura regular. Toda basura voluminosa deberá ser colocada a no menos de seis pies de su acera ó pavimento público al lado de la carretera.

5 Por razones de seguridad:

Le pedimos que por favor, **remueva o selle** las puertas de las neveras, lavadoras y secadoras antes de colócarlas

a la orilla de su acera para que los niños no puedan encerrarse o atraparse dentro de ellas.

Todo tipo de espejos, puertas, mesas o ventanas con vidrio, etc. Este material se debe romper en pedazos y colocar dentro de un envase sólido (no se permite poner vidrio en bolsas plásticas). El envase y su contenido deben pesar menos de 50 libras.

Anualmente se recogerán dos (2) llantas, **sin aros**, a la orilla de su acera. Colóquelas en la acera en el día designado de recogido para basura. Se les pide a los residentes con más de dos (2) llantas para desechar hacer lo siguiente:

Desechos de Construcción

Desechos de **reparaciones menores de hogar** tales como reemplazos de madera descompuesta o de azulejos rotos. Los desechos de construcción se limitan a 2 yardas cúbicas por día de colección (equivalente a un refrigerador de tamaño normal) y se debe seguir la **regla del 50/50**. Los desechos deben ser colocados dentro de un recipiente de basura de **32-50 galones** de tamaño o bolsas plásticas selladas. Los envases y el contenido no pueden pesar más de **50 libras** cada uno. Artículos como alfombras deben ser cortadas en pedazos que no midan más de 4 pies de largo, deben ser enrolladas y no deben pesar más de **50 libras**.

Con la excepción de alfombras, ningún remanente de construcción de reparaciones menores de hogar deben ser colocadas sueltas sobre la tierra en la orilla de su acera. Para ser recogido estos artículos tienen que ser colocados dentro de un recipiente.

No se le requiere a su transportador recoger ningún tipo de escombros o desechos que no cumplan con los requerimientos antedichos de colección. Si su transportador no le recoge los escombros o desechos debido a que no cumplan con los criterios establecidos de colección, puede hacer lo siguiente:

- 1) 12 Corrija los escombros o desechos de acuerdo a los requerimientos de colección. Una vez que sea corregido, se le recogerá el material dentro **del próximo día programado** para servicio en su área o,
- 2) 13 Comuníquese con su transportador de basura para su tarifa contractual de servicios especiales.
- 3) 14 Comuníquese con cualquier otro transportador privado localizado dentro de las Páginas Amarillas bajo "Retiro de Desperdicios" para su tarifa de colección.
- 4) 15 Transporte el material directamente al vertedero del SWA localizado en el 6600 North Jog Road en West Palm Beach (al oeste del Turnpike, entre la calle 45 y el Beeline Highway). ¡SI USTED ELIGE TRANSPORTAR EL MATERIAL AL VERTEDERO, POR FAVOR ENTIENDA QUE LE COBRARÁN POR LA DISPOSICIÓN Y SOLO PODRÁ PAGAR CON DINERO EN EFECTIVO!

Yard Waste (Vegetation)

(1 time per week)

Please have your yard waste curbside before 6:00 a.m.
on your scheduled collection day only.



Yard waste includes debris from **routine residential yard maintenance** only. It **does not** include debris generated from **land clearing or tree removal**. All vegetation must be kept separate from other debris and be dirt and sand free.

Yard waste is collected manually by a different truck than the garbage and is **limited to 6 cy per week** (the equivalent of 3 standard refrigerators). All yard waste, with the exception of tree branches and palm fronds, must be containerized in standard **32-50 gallon** cans or sealed plastic bags. Containers and contents can not weigh more than **50 pounds**. Branches must be 6 feet or less in length and **50 pounds** or less in weight.

DO NOT MIX YARD WASTE (VEGETATION) WITH GARBAGE OR ANY OTHER DEBRIS

Your waste hauler is not required to collect any debris that does not meet the above guidelines. If your debris does not meet guidelines and is not collected you may do one of the following:

- 1) *Correct the debris to meet required collection guidelines. Once corrected it will be picked up on your next scheduled service day or:*
- 2) *Contact your current waste hauler for their contracted special service fee.*
- 3) *Contact any other private hauler listed in the Yellow Pages under "Rubbish Removal" for their collection rate.*
- 4) *Transport the material directly to SWA's landfill located at 6600 North Jog Road in West Palm Beach (west of the Turnpike, between 45th Street and the Beeline Highway). IF YOU ELECT TO TRANSPORT THE MATERIAL TO THE LANDFILL PLEASE BE AWARE YOU WILL BE CHARGED FOR THE DISPOSAL COST AND CASH IS REQUIRED!*

Desperdicios Caseros Peligrosos Al Medio Ambiente



Desperdicios caseros peligrosos al medio ambiente no pueden ser recogidos a la orilla de su acera por ejemplo artículos como aceite usado de motor de autos, baterías recargables, baterías de autos, tanques de gas propano, bombillas florecientes, pintura acéite y pesticidas.

Los Residentes pueden disponer de los desperdicios caseros peligrosos al medio ambiente en las facilidades designadas del SWA ó en los centros de recaudación a través del condado gratuitamente y no se requiere cita. Para la localización más cercana a usted,

llame al 1-866-792-4636.

ELECTRÓNICOS

Reciclaje - El SWA tiene un programa de reciclaje para equipos electrónicos por ejemplo: computadoras, monitores, televisiones, VCR's, estereofónicos, impresoras, máquinas de fax, etc. Se le exhorta a los residentes del condado de Palm Beach a traer gratuitamente, todos sus equipos electrónicos a cualquier de nuestras estaciones de transferencia para desechos o a la facilidad principal del SWA de desperdicios caseros peligrosos al medio ambiente. Para la localización más cercana a usted y horas de operación, visite nuestra página web al www.swa.org o llame al 1-866-792-4636.

Disposición - Si usted no puede traer su artículo de electrónica a una de nuestras localizaciones, lo puede colocar al lado de su basura regular a la orilla de su acera ó pavimento público al lado de la carretera. Electrónicos pequeños deben ser colocados dentro de su recipiente de basura. Electrónicos grandes deben ser colocados al lado de su recipiente de basura.

DISPOSICIÓN DE PINTURA

Reciclando - Los residentes del condado de Palm Beach pueden traer gratuitamente pintura (látex o de acéite) a cualquier facilidad de colección designada del SWA para desperdicios caseros peligrosos al medio ambiente. La pintura será nuevamente reciclada y se reutilizará en programas para servicios de la comunidad del SWA en proyectos para restaurar las comunidades y para beneficiar esos en necesidad a través del condado de Palm Beach. Para la localización más cercana a usted y horas de operación, visite nuestra página web al www.swa.org o llame al 1-866-792-4636.

Disposición - Pintura a base de acéite nunca se recoge a la orilla de su acera. Pintura látex (a base de agua) debe estar totalmente seca antes de que se pueda disponer. (Para secar la pintura a base de látex, destape la lata y agregue arena o polvo de acerrín). Cuando esté totalmente seca, ponga la lata destapada con su basura regular.

Household Hazardous Waste



Household hazardous wastes are never collected curbside. A few examples are used motor oil, rechargeable or auto batteries, propane tanks, fluorescent light bulbs, oil based paint and pesticides.

Household hazardous waste may be dropped at any SWA designated Household Hazardous Waste

collection site at **no charge** to Palm Beach County residents. There is no appointment necessary. For a location nearest you and hours of operation, visit www.swa.org or call 1-866-792-4636.

ELECTRONICS

Recycling - The SWA has an Electronic Recycling Program and residents are encouraged to bring all electronics such as: computers, monitors, televisions, VCR's, stereos, printers, fax machines, etc. to any one of our transfer stations or SWA's main household hazardous waste facility at no charge to residents of Palm Beach County. For a location nearest you and hours of operation, visit www.swa.org or call 1-866-792-4636.

Disposal - If you are unable to bring your electronic item to one of our drop-off locations it may be placed curbside with your regular household garbage on either scheduled collection day. Electronics small enough to fit should be placed inside a standard garbage can. All others should be placed next to the can.

PAINT DISPOSAL

Recycling - Residents of Palm Beach County can bring unused, unwanted paint (latex or oil based) to any SWA designated household hazardous waste collection site at no charge. Newly recycled paint is then used in SWA's community service programs on projects to restore communities and benefit those in need throughout Palm Beach County. For a location nearest you and hours of operation, visit www.swa.org or call 1-866-792-4636.

Disposal - Oil-based paint is never collected curbside. Latex paint (water-based) **must be dried completely** before it is disposed. (To dry latex paint, remove the lid and add sand, kitty litter or saw dust). When completely dried, leave uncovered and place into your regular garbage.

Vegetación

(Una vez por semana)

Por favor, coloque su vegetación a la orilla de la acera antes de las 6:00 a.m. en el día designado para servicio en su área.



Vegetación incluye solamente desechos de **mantenimiento rutinario residencial**. No incluye los desechos de limpieza de escombros de vegetación de solares ó el levantamiento de árboles. Mantenga su vegetación separada de otros artículos y libre de tierra y/o arena suelta.

La vegetación es recogida manualmente y no es recogido por su camión regular de basura. **Se limita a 6 yardas cúbicas por semana** (equivalente a un refrigerador de tamaño normal). Toda vegetación con excepción de las ramas de árbol y frondas de palmas, deben ser colocadas dentro de un recipiente de basura de **32 a 50 galones** de capacidad ó deben ser colocadas dentro de una bolsa de basura plástica sellada. Cada recipiente ó bolsa llena de vegetación no debe de pesar más de **50 lbs.**

NO MEZCLE LA VEGETACIÓN CON LA BASURA O NINGUNA OTRO DESPERDICIO

No se le requiere a su transportador recoger ningún tipo de escombros o desechos que no cumplan con los requerimientos antedichos de colección. Si su transportador no le recoge los escombros o desechos debido a que no cumplan con los criterios establecidos de colección, puede hacer lo siguiente:

- 1) Corrija los escombros o desechos de acuerdo a los requerimientos de colección. Una vez que sea corregido, se le recogerá el material dentro del próximo día programado para servicio en su área o,
- 2) Comuníquese con su transportador de basura para su tarifa contractual de servicios especiales.
- 3) Comuníquese con cualquier otro transportador privado localizado dentro de las Páginas Amarillas bajo "Retiro de Desperdicios" para su tarifa de colección.
- 4) Transporte el material directamente al vertedero del SWA localizado en el 6600 North Jog Road en West Palm Beach (al oeste del Turnpike, entre la calle 45 y el Beeline Highway). ¡SI USTED ELIGE TRANSPORTAR EL MATERIAL AL VERTEDERO, POR FAVOR ENTIENDA QUE LE COBRARÁN POR LA DISPOSICIÓN Y SOLO PODRÁ PAGAR CON DINERO EN EFECTIVO!

Recycling Service

(1 time per week)

Please have your recycling curbside before 6:00 a.m.
on your scheduled collection day only.



Yellow Bin

- Newspaper
- Brown Paper Grocery Bags
- Magazines
- Catalogs
- **Corrugated Cardboard**
(flatten and cut to 3' x 3' maximum)

Blue Bin

- Drink Boxes
- Milk and Juice Containers
- Aluminum Cans
- Aluminum Foil and Pie Plates
- Glass Bottles and Jars (all colors, no lids or caps)
- Plastic Containers  thru 

Please

- **No** 12-Pack Beverage Boxes
- **No** Tissue Boxes
- **No** Cereal Boxes
- **No** Plastic Bags
- **No** Mail

Please

- **No** Light Bulbs, Mirrors or Plate Glass
- **No** Plastic Wrap or Bags
- **No** Steel or Tin Cans
- **No** Styrofoam

For any questions or concerns with the collection
of your recycling contact SWA at
697-2700 or 1 (866) 792-4636 toll free

To order new or replacement recycling bins contact SWA at
1 (866) NEW-BINS

Reciclaje

(1 vez por semana)

Por favor, coloque su reciclaje a la orilla de la acera antes de las 6:00 a.m.
en el día designado para servicio en su área.



Recipiente Amarillo

- Periódico
- Bolsas de Papel Marrón
- Revistas
- Catálogos
- **Cartón Corrugado**
(Cartón corrugado es el cartón que tiene las paredes acaneladas.) Corte el cartón corrugado (3' x 3') y aplástelo y colóquelo al lado de su recipiente de reciclar amarillo.

No se acepta dentro de su recipiente de reciclar amarillo

- Cajas de Bebidas de Envoltura de 12 (12-pack)
- Cajas de Pañuelos Desechables
- Cajas de Cereal
- Bolsas Plásticas
- Correspondencia

Para mas información o preguntas sobre su servicio de colección
de reciclaje por favor, llame al SWA libre de cargos al
1-866-792-4636.

Si necesita un recipiente de reciclar o un reemplazo llame libre de
cargos al 1-866-639-2467.

Recipiente Azul

- Cajitas de Jugo
- Recipientes de Leche y de Jugo
- Latas de Aluminio
- Platos y Papel de Aluminio
- Botellas y Jarros de Vidrio (de todos colores, no incluya las tapas)
- Recipiente Plástico con números del  al 

No se acepta dentro de su recipiente de reciclar azul

- Bombillas, Espejos ó Platos de Vidrio
- Bolsas ó Envolturas Plásticas
- Acero ó Estaño
- Estyrofoam



Gables at
Northlake

Northlake Blvd

NORTH

Steeplechase

Ironhorse
Country Club

Grassy
Waters
Preserve

ADMINISTRATION
BUILDING

NCRRF
Scale House

NORTH COUNTY
RESOURCE
RECOVERY FACILITY
(N.C.R.R.F.)

HOUSEHOLD
HAZARDOUS WASTE
FACILITY (HHW)

COMPOST
FACILITY

Rookery

BIOSOLIDS
PELLETIZATION FACILITY
(under construction)

CLASS III
LANDFILL

Florida's Turnpike

Landfill
Scale House

FERROUS
PROCESSING
FACILITY

MATERIALS
RECYCLING
FACILITY
(existing)

CLASS I
LANDFILL

PBC Owned
(Winding Waters)

Haverhill Road

Cypress
Run

Caribbean
Village

Gramercy
Park

45th Street

MATERIALS RECYCLING
FACILITY (MRF)
(under construction)