
SOLID WASTE MANAGEMENT PLAN
CITY OF SPARTA, GEORGIA

2008 - 2017



KECK & WOOD, INC.

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Section 1 INTRODUCTION

BACKGROUND

The Comprehensive Solid Waste Management Act of 1990 requires each local government in Georgia to develop independently, or be included in, a comprehensive solid waste management plan. The purpose of the plan is to provide local officials with a long-range “blueprint” regarding the provision of solid waste management services. The plan represents Sparta’s participation in and contribution to Georgia’s solid waste management strategy set forth in the Solid Waste Management Act and Georgia’s Solid Waste Management Plan.

The Solid Waste Management Act requires that each plan:

- Provide for the assurance of adequate solid waste collection capability and disposal capacity within the planning area for at least ten years from the date of Plan completion.
- Promote a program to reduce the per capita rate of municipal solid waste disposed of statewide in solid waste facilities.
- Identify solid waste handling facilities within the plan’s area as to size and type.
- Identify land areas in the planning area unsuitable for solid waste handling facilities based on environmental and land use factors.

The following document serves as an update to Sparta’s original plan that was prepared and adopted in 1994. In accordance with the Minimum Planning Standards and Procedures for Solid Waste Management, the City of Sparta conducted an initial public hearing on April 17, 2008. A second Public Hearing was conducted on June 19, 2008, prior to submitting the draft plan to the Central Savannah River Regional Development Center (RDC) and the Georgia Department of Community Affairs (DCA) for review and approval.

PERSON RESPONSIBLE FOR THE PLAN

The person responsible for the updated City of Sparta Solid Waste Management Plan is:

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PLANNING AREA

The City of Sparta, located in Hancock County, is the planning area for this solid waste management plan. Sparta, with an estimated population of 1,430 residents, is the only incorporated city within Hancock County. A general location map is provided in the Appendix. Hancock County lies within two physiographic provinces and districts. The City of Sparta is located within the Washington Slope District of the Piedmont Province. The Washington Slope District is characterized by rolling topography containing gentle slopes, shallow valleys, and rounded stream divides. Elevations range from 500 to 700 feet. With the exception of the city’s historic downtown area, land use within Sparta is primarily residential.

Population

Table 1 presents historic and projected population and household data for the City of Sparta. As indicated, total population and the number of households has been decreasing since 1980. Sparta’s population is currently estimated to be 1,430. According to U.S. Bureau of the Census data, Sparta’s population decreased nearly 14 percent between 1990 and 2005. Population projections obtained from the Georgia Department of Community Affairs indicate that Sparta’s total population will continue decreasing through the year 2030. By the year 2020, the city’s population is projected to decrease by roughly 12 percent. Following state and national trends, average household size is also projected to decrease. There are no seasonal variations in Sparta’s population levels.

TABLE 1
POPULATION & HOUSEHOLDS
1980 - 2020

	1980	1990	2000	2005	2010	2015	2020
Population	1,754	1,710	1,522	1,464	1,406	1,348	1,290
Households	555	591	617	622	608	633	638
Avg. HH Size	2.83	2.75	2.44	2.34	2.25	2.15	2.05

Source: U.S. Bureau of the Census. Georgia Department of Community Affairs, 2008.

Local Economy

Historically, Sparta’s local economy has been agricultural-based. Cotton played a major role in the economic development of Hancock County and Sparta through the antebellum and postbellum periods and extended into the early 1900s. Large scale industry has never prospered in Sparta due primarily to its distance from major markets and proximity to cities better situated to support industry, such as Milledgeville and Sandersville. Today, the city’s economy is influenced by several factors, including its proximity to Interstate 20 and employment/shopping opportunities in nearby Milledgeville, Sandersville, and Eatonton. Major employers include the Hancock County Board of Education, Hancock State Prison, and St. Gabin. According to the U.S. Bureau

of the Census (2000), the majority of Sparta's labor force is employed in educational/health/social services; manufacturing; public administration (government); and retail trade industries. Employment projections obtained from the Georgia Department of Community Affairs indicate no significant changes in Sparta's future employment characteristics.

Section 2 WASTE DISPOSAL STREAM ANALYSIS

AMOUNT OF WASTE DISPOSED

According to disposal data obtained from Attaway Waste Services, Inc., Sparta's contractual collection and disposal vendor, a total of 1,167 tons of municipal solid waste was collected within Sparta and disposed of during calendar year 2007. No detailed data is available regarding specific components of Sparta's waste stream. As a result, regional averages (Central Savannah River Regional Development Center) have been utilized in estimating and projecting waste stream composition.

Unique Conditions and/or Seasonal Variations

The City of Sparta does not experience any significant seasonal changes in population levels. There are some seasonal events such as festivals and special events that may have some very short-term impact on solid waste volumes and collection schedules. These events are not consequential to the overall solid waste operation and do not warrant further analysis.

Waste Generating Disasters

The City of Sparta cannot reasonably project the additional amount of waste that might be generated by unknown and unanticipated disasters. Obviously, based on the impact of past disaster events, it can be anticipated that there will be additional waste that would require management. Close coordination would be required with state/federal solid waste regulators and state/federal/local emergency management agencies. Other elements of this document outline local contingency plans to address additional waste resulting from disasters.

DISPOSAL RATE

Detailed data obtained from Attaway Waste Services, Inc. was used to as the basis for Sparta's disposal rate calculations. During 2007, Attaway Waste Services, Inc. collected 1,167 tons of municipal solid waste within the City of Sparta. A per capita disposal rate can be calculated by converting the total tonnage (1,167) into pounds and dividing that result by 365 (days in a year). The result is then divided by Sparta's estimated 2007 population of 1,440. These calculations indicate that in 2007, Sparta's per capita disposal rate was 4.44, below the Georgia per capita average of 6.38.

Progress Toward Per Capita Disposal Goal

According to 1993 Sparta/Hancock County Solid Waste Management Plan, the countywide solid waste disposal rate in that year was estimated to be 2.69 pounds per person per day. Sparta's per capita disposal rate in 1993 was similar to that of Hancock County as a whole. Since 1993, Sparta's per capita disposal rate has increased to 4.44 pounds per person per day, a 65 percent increase.

WASTE CHARACTERIZATION

Since there is no local data available regarding the composition of Sparta's waste stream, regional (Central Savannah River Regional Development Center) averages published by the Georgia Department of Community Affairs (DCA) have been utilized. Table 4 presents waste amount and composition projections through the year 2018. These projections represent the amount and composition of solid waste that would likely be generated within Sparta in the absence of any waste reduction efforts. The waste amounts shown in Table 4 were calculated by applying the per capita disposal rate of 0.81 tons per year to population projections obtained from the Georgia Department of Community Affairs.

Assuming that Sparta's waste composition is similar to regional averages, the city should target reductions in paper, organic, and plastic waste types. Even with projected decreases in population and resulting waste amounts, the city recognizes the need to further local waste reduction efforts and feels that it can achieve a ten (10) percent per capita reduction over the next 10 years through yard waste diversion and the encouragement of "backyard" composting. Using 1,157 tons per year as a base waste amount, Table 5 illustrates the projected waste amounts with a 10 percent per capita reduction goal. As Table 5 indicates, the city's per capita disposal rate is projected to decrease from 0.81 tons in 2007 to 0.73 tons by 2018, a 10 percent per capita decrease.

TABLE 4
ESTIMATED AND PROJECTED WASTE AMOUNTS AND COMPOSITION
CITY OF SPARTA
2007 – 2018
(TONS PER YEAR)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Paper (36.3%)	424	420	416	413	410	407	403	399	396	393	389	386
Plastic (16.7%)	195	193	191	190	189	187	185	183	182	181	179	176
Glass (3.6%)	42	42	41	41	40	40	39	39	39	39	39	38
Metal (5.2%)	61	60	59	59	59	58	58	57	57	56	56	55
Organic (28.1%)	328	325	322	320	317	315	312	309	307	304	301	299
C&D (6.6%)	77	76	76	75	75	74	73	73	72	72	71	70
Inorganic (3.5%)	41	40	40	40	39	39	39	39	38	38	38	37
TOTALS	1,167	1,156	1,145	1,139	1,129	1,120	1,110	1,100	1,092	1,083	1,073	1,063

Source: Georgia Department of Community Affairs, 2008.

TABLE 5
PROJECTED WASTE AMOUNTS
CITY OF SPARTA
2008 – 2018

YEAR	POPULATION	PER CAPITA RATE (TONS PER YEAR)	TOTAL TONS PER YEAR	TONS PER DAY	PER CAPITA RATE W/10% REDUCTION	TOTAL TONS PER YEAR	TONS PER DAY
2008	1,428	0.81	1,157	3.17	0.81	1,157	3.17
2009	1,414	0.81	1,145	3.14	0.80	1,131	3.10
2010	1,406	0.81	1,139	3.12	0.79	1,111	3.04
2011	1,394	0.81	1,129	3.09	0.78	1,087	2.98
2012	1,383	0.81	1,120	3.07	0.77	1,065	2.92
2013	1,371	0.81	1,110	3.04	0.76	1,042	2.85
2014	1,359	0.81	1,100	3.01	0.75	1,019	2.79
2015	1,348	0.81	1,092	2.99	0.75	1,011	2.77
2016	1,337	0.81	1,083	2.97	0.75	1,003	2.75
2017	1,325	0.81	1,073	2.94	0.74	981	2.69
2018	1,313	0.81	1,063	2.91	0.73	958	2.62

Source: Georgia Department of Community Affairs, 2008. Keck & Wood, Inc., 2008.

Section 3 WASTE REDUCTION ELEMENT

INVENTORY AND ASSESSMENT

The diversion of yard trimmings from disposal is the only formal waste reduction program undertaken by Sparta. During the course of the planning period, the city will explore additional waste reduction programs for implementation.

Source Reduction Programs

The City of Sparta does not provide nor sponsor any organized source reduction programs. It is likely that some commercial/industrial/institutional operations within the city have some type of source reduction programs in place. However, documentation is not readily available to confirm the presence and scope of such activities.

Recycling Programs and Facilities

The City of Sparta does not provide nor sponsor any organized recycling programs. Attaway Waste, Inc., the city's collection and disposal vendor, currently does not offer any recycling services within the city. Hancock County maintains a drop-off site for recyclables such as paper, plastic, and glass that is located near Sparta.

Yard Trimmings/Mulching/Composting

The City of Sparta provides once weekly curbside collection for yard trimmings using city personnel and vehicles. Upon collection, yard trimmings such as leaves, shrubs, and small tree limbs are transported to an area near the old landfill for processing. Tree leaves are composted and tree limbs are chipped for mulch. No records are maintained regarding the amount of yard trimmings that are collected by the city. Attaway Waste Services, Inc. currently does not offer yard trimmings collection, mulching, or composting services. According to local officials, composting activities are undertaken by several Sparta residents. These activities are not typically reported and no documentation regarding yard waste volume is available.

Special Management Items

The City of Sparta provides "as-needed" curbside collection service for white goods and large bulky items. Upon collection, these items are transported to an area near the old landfill where they are picked-up and sold for scrap by private individuals. Sparta maintains a referral list of individuals that dispose of special management items.

Contingency Strategy

As stated previously, waste reduction and recycling activities within Sparta are currently limited to once-weekly curbside collection of yard trimmings. Should the current practice be interrupted or become unavailable, the city has several operational options. There are several private solid waste providers located in proximity to Sparta that are capable of assuming yard trimmings collection. The city can invoke emergency procurement authorization to negotiate with vendors to provide interim collection and transport services. Under these same emergency procurement provisions, the city could also choose to negotiate directly with firms representing specific commodity markets to provide a collection, transfer and marketing option on a temporary basis. It is anticipated that one or more of these service options could be procured and authorized within a week with services beginning within that same time period subject to mobilization requirements.

NEEDS AND GOALS

In order to achieve per capita reduction goals, the City of Sparta will, during the course of the planning period:

- Ensure accurate record keeping regarding the amount and composition of solid waste disposed.
- Encourage collection vendors to consider offering curbside recycling services.
- Target paper, plastic, and yard waste to further reduce per capita solid waste disposal rates.
- Encourage and support community-based recycling, reuse, and other waste reduction programs.
- Implement education and public involvement programs.

Section 4 COLLECTION ELEMENT

INVENTORY AND ASSESSMENT

Attaway Waste Services, Inc. provides residential and commercial collection services to all Sparta residents and all of the city's commercial and industrial establishments. Curbside residential service is provided on a once-weekly basis. Curbside yard trimmings collection is provided on a once-weekly basis by the City of Sparta. In general, existing collection practices are considered adequate and no significant program changes are planned.

Drop-Off Convenience Centers/Curbside Collection

There are no drop-off convenience centers located in Sparta. Attaway Waste Services, Inc. provides curbside residential collection services to all of the city's households and commercial/industrial establishments.

Yard Trimmings and Bulk Item Collection

Yard trimmings are collected curbside by the City of Sparta on a once-weekly basis. Upon collection, yard trimmings are transported to an area near the old Sparta landfill for processing (chipping/composting). No data is collected regarding the amount of yard trimmings collected and processed by the city. Funding for Sparta's curbside yard trimming collection program is allocated in the city's general fund.

Illegal Dumping/Littering

Like many rural communities, Sparta experiences problems associated with illegal dumping and littering. Sparta has adopted an anti-littering ordinance that is enforced by the Sparta Police Department. The city does not have an environmental code enforcement officer or environmental court. There are no concentrated areas of illegal dumping within the city. The city does sponsor periodic litter pick-up events using city staff, volunteers, and community service/inmate labor.

Contingency Strategy

Should the current method for collecting solid waste in Sparta be interrupted or become unavailable, the city has a two-tiered interim alternative collection strategy. There are a number of private solid waste collection providers in the area that are capable of assuming solid waste collection duties. The first alternative collection strategy would be to retain one of these firms to provide the service on an interim basis. The city would invoke emergency procurement authorization to facilitate the commencement of immediate negotiations with available firms to provide collection services on a temporary basis. It is anticipated that these services could be procured and authorized within a week with collection services beginning within that same time period subject to mobilization requirements. The private firm would be responsible for locating and securing access for disposal to an approved landfill facility. The City of Sparta also has the option to contract with another public entity in the form of an intergovernmental agreement to provide interim collection services.

Natural Disaster/Emergency Situation

The Hancock County Emergency Management Agency (HCEMA) is the agency responsible for the development and implementation of Emergency Management for Hancock County and the City of Sparta. HCEMA has an approved Emergency Operation Plan. The plan establishes a framework for emergency planning and responses to: prevent emergency situations; reduce vulnerability during disasters;

establish capabilities to protect residents from the effects of crisis; respond effectively and efficiently to actual emergencies; and provide for rapid recovery from any emergency or disaster that affects the local jurisdiction. In the event of a disaster rising to the level of a Presidential Disaster Declaration the resources of the Federal Emergency Management Agency (FEMA) and the Georgia Emergency Management Agency (GEMA) would be available to the County to assist with the collection and disposal of waste under a program coordinated with the county by HCEMA.

For a disaster or emergency of lesser scope, Sparta would invoke its local emergency response plan for its internal use wherein on-call personnel would be mobilized to operate removal and collection equipment. Private contractors would also be retained under emergency procurement authorization as necessary. The top priority would be to clear emergency facilities and roadways.

Following this priority activity, Sparta would use a private contractor(s) to collect and dispose of vegetative debris such as branches, limbs, trees, leaves, etc. and residential waste. Dependent upon the volume a temporary chipping/grinding operation might be initiated for the vegetative debris. In extreme circumstances the Georgia Environmental Protection Division (GA EPD) might be contacted to request permission for incineration using on-site air-curtain incinerators. The private collector would be responsible to find and utilize permitted or otherwise authorized disposal sites for MSW and/or debris.

NEEDS AND GOALS

It is the overall goal of the City of Sparta to “ensure the efficient and effective collection of solid waste and recyclable materials”. To achieve this goal, Sparta will:

- Continue existing privatized solid waste collection practices and make modifications as necessary to support local waste reduction and recycling efforts.
- Work closely with private collection vendors to ensure that they maintain accurate records on the amount of solid waste and recyclable material collected within the city.
- Monitor the provision of privatized collection services to ensure their adequacy in meeting local demand.
- Enforce local illegal dumping and littering ordinances.

DISPOSAL ELEMENT

INVENTORY AND ASSESSMENT

According to Georgia EPD, the Derek A. Hill Inert Landfill (PBR-070-01IL), located on Stockdale and Fairmont Roads near the old Sparta-Fairmont/Stockdale Road Landfill, is the only permitted solid waste handling facility in Sparta. There are no municipal solid waste (MSW) landfills located in Sparta. Solid waste collected by Attaway Waste Services, Inc., Sparta's collection and disposal vendor, is transported to Attaway's Transfer Station (PBR-005-26TS) located in Milledgeville, Georgia. From the transfer station, Sparta's waste is transported and disposed of at the Wolf Creek Landfill (143-008D) located in Jeffersonville, Georgia. According to October 2007 data obtained from the Georgia Environmental Protection Division (EPD), the Wolf Creek facility had 10,986,323 cubic yards of remaining capacity in Fiscal Year 2007. EPD data indicates that the facility is projected to reach capacity in October of 2026.

ASSURANCE OF TEN YEAR DISPOSAL CAPACITY

The City of Sparta and Attaway Waste Services, Inc. have obtained a disposal capacity assurance letter from Wolf Creek Landfill. A copy of this letter is included in the Appendix along with a copy of Attaway's contract with the city. According to 2007 data obtained from the Georgia Environmental Protection Division (EPD), the Wolf Creek Landfill facility (143-008D) has eighteen (18) years of remaining capacity.

CONTINGENCY STRATEGY

There are several landfills in proximity to Sparta that are available to accept waste for disposal from Sparta in the event that existing practices are interrupted or made unavailable. If necessary, Sparta could invoke emergency procurement authorization with these permitted facilities. It is anticipated that interim disposal services could be procured and authorized within a two week period. The City of Sparta also has the option of contracting with another public entity in the form of an intergovernmental agreement to provide disposal services on an interim basis.

NATURAL DISASTER/EMERGENCY SITUATION

The Hancock County Emergency Management Agency (HCEMA) is the agency responsible for the development and implementation of emergency management operations throughout Hancock County. HCEMA has an approved Emergency Operation Plan that establishes a framework for emergency planning and responses to: prevent emergency situations; reduce vulnerability during disasters; establish capabilities to protect residents from the effects of crisis; respond effectively and efficiently to actual emergencies; and provide for rapid recovery from any emergency or disaster that affects the local jurisdiction. In the event of a disaster rising to the level of a Presidential Disaster Declaration, the resources of the Federal Emergency Management Agency (FEMA) and the Georgia Emergency Management Agency

(GEMA) would be available to Hancock County and Sparta to assist with the collection and disposal of waste under a program coordinated by HCEMA.

For a disaster or emergency of lesser scope, Sparta would invoke its local emergency response plan for its internal use wherein on-call personnel would be mobilized to operate removal and disposal equipment. Private contractors would also be retained under emergency procurement authorization as necessary. The top priority would be to clear and dispose of waste from emergency facilities and roadways. Following this priority activity, the Sparta would use a private contractor(s) to dispose of vegetative debris such as branches, limbs, trees, leaves, etc. and residential waste. Dependent upon the volume a temporary chipping/grinding operation might be initiated for the vegetative debris. In extreme circumstances the Georgia Environmental Protection Division (GA EPD) might be contacted to request permission for incineration using on-site air-curtain incinerators. The private collector would be responsible to find and utilize permitted or otherwise authorized disposal sites for MSW and/or debris.

In an extreme case, Sparta would use existing city vehicles/labor and set up temporary staging area and/or drop-off locations to receive debris and MSW to subsequently dispose of solid waste.

NEEDS AND GOALS

Over the course of the 10-year planning period, the City of Sparta will:

- Continue existing privatized disposal practices.
- Ensure that there is adequate capacity allocated to the city in order meet disposal needs throughout the 10-year planning period.

Section 6 LAND LIMITATION ELEMENT

NATURAL ENVIRONMENTAL LIMITATIONS

The purpose of this element is to provide an inventory and assessment of areas within Sparta that are considered unsuitable for solid waste recycling, recovery, composting, or disposal facilities because of natural environmental limitations or land use criteria. Environmental limitations include such items as water supply watersheds, groundwater recharge areas, wetlands, river corridors, and protected mountains. Land use criteria refer to heavily developed areas, zoning, historic resources, and airports. Maps referenced from this section identify areas which have a land use or natural environmental limitation. Solid waste handling facilities should be located in areas which are not restricted by existing and planned land uses and are environmentally conducive to facilities.

Floodplains

Georgia Department of Natural Resources (DNR) Rule 391-3-4.05(1) (d) stipulates that any solid waste landfill located in the 100-year floodplain shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain, or result in a washout of solid waste so as to pose a threat to human health or the environment. The 100 year floodplain is defined as the land area with a 1 percent chance of being flooded every year. The 100 year flood plain is used for planning purposes to assist in identifying land that is not suitable for development. Sparta's zoning ordinance has provisions that regulate development within identified "Flood Hazard" districts. The City of Sparta does not participate in the Federal Emergency Management Agency's (FEMA) National Flood Insurance Program.

Wetlands

Georgia Department of Natural Resources (DNR) Rule 391-3-16-.03(3) (e) establishes that solid waste landfills may institute an unacceptable use of wetland. Wetlands are a fundamental part of the natural water system and classified by three parameters: hydrologic conditions, hydric soils, and hydrophytic vegetation. According to the U.S. Fish and Wildlife Service's National Wetlands Inventory (NWI), numerous scattered small areas of wetlands exist within Sparta. Sparta has adopted a Wetlands Protection Ordinance under the requirements of Georgia's Environmental Planning Criteria that ensures proper coordination between the city and the Corps of Engineers.

Groundwater Recharge Areas

GA DNR Rule 391-3-16-.02(3)(a) requires that in significant groundwater recharge areas, GA DNR shall not issue permits for new solid waste landfills not having synthetic liners and leachate collection systems. GA DNR Rule 391-3-4-.05(1)(j) requires that new solid waste landfills or expansions of existing landfills located within two miles of a significant groundwater recharge area have liners and leachate collection systems, with the exception of facilities accepting waste generated from outside the County in which the facility is located. Aquifer recharge areas contain soils with properties that support the recharging of groundwater. One significant groundwater area, located northwest of Sparta, has been identified and mapped.

Water Supply Watersheds

GA DNR Rule 391-3-16-.10(7)cl requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems; hazardous waste treatment or disposal facilities are prohibited; and new hazardous materials facilities are required to install impermeable surface with spill pad and leak collection systems.

River Corridors

GA DNA Rules prohibit the development of new solid waste landfills within protected river corridors. No protected river corridors are located near Sparta. The Oconee River, in eastern Hancock County, has been identified as a protected river corridor.

Protected Mountains

GA DNR Rule 391-3-16.05(4)(1) prohibits the development of new solid waste landfills in areas designated as protected mountains. There are no protected mountains within the City of Sparta.

Fault Areas

GA DNR Rule 391-3-4-.05(1) (f) requires that new landfill units and lateral expansions of existing landfills shall not be located within 200 feet of a fault that has had displacement in the Holocene Epoch unless the owner or operator demonstrates to EPD that an alternative setback distance of less than 200 feet will prevent damage to the structural integrity of the landfill unit and will be protective of human health and the environment. No known fault areas are located in the City of Sparta.

Seismic Impact Zones

GA DNR Rule 391-3-4-.05(1)(g) prohibits that development of new landfill units and lateral expansions in seismic impact zones unless the owner or operator demonstrates to EPD that all containment structures, including liners, leachate collection systems, and surface water control systems are designed to resist the maximum horizontal acceleration in lithified earth material for the site.

Unstable Areas

GA DNR Rule 391-3-4-.05(1)(h) requires owners or operators of new landfill units, existing landfill units, and lateral expansions located in unstable areas to demonstrate that engineering measures have been incorporated in the landfill unit's design to ensure that the integrity of the structural components of the landfill unit will not be disrupted.

LAND USE AND ZONING LIMITATIONS

Zoning Restrictions

Sparta's existing comprehensive plan and zoning ordinance do not address or regulate the siting of solid waste handling facilities within the city. The city should conduct a review of existing zoning and other development regulations to ensure that they are up-to-date and contain adequate provisions regarding the siting of solid waste handling facilities. The Hancock/Sparta Comprehensive Plan provides an excellent discussion of the area's natural and historic resources. It is recommended that the comprehensive plan be consulted in

conjunction with the Plan Consistency Process contained in this plan should the location of solid waste handling facilities be considered in future years.

Sites Listed on the National Register of Historic Places

No solid waste facility should be located in or adjoining as to negatively impact a district or site listed on the National Register of Historic Places. The National Historic Register includes six sites that are located within the City of Sparta. These are:

- Sparta Historic District
- Sparta Cemetery
- Rockby
- Pearson-Boyer Plantation
- Hurt-Rives Plantation
- Glen Mary

The city's zoning ordinance does not contain provisions for the protection of historic sites and resources.

Surface Water Intake

According to GA DNA Rule 391-3-19-.01, solid waste landfills must have engineering modifications such as liners, leachate collection systems, and groundwater monitoring systems if they are located within two (2) miles of a surface water intake for a public source, unless such a site is the only feasible location. The City of Sparta operates a surface water intake at Lake Sinclair, which is designated as a large water supply watershed. The city is not located within seven miles of either the intake point or watershed. As a result, it is not required to adopt watershed protection criteria.

Airport Safety

GA DNR Rule 391-3-4-.05(1)(c) requires that new solid waste landfill units or lateral expansions of existing units shall not be within 5,000 feet of any runway planned or used for piston-type aircraft or within 10,000 feet of any runway planned or used for turbo-jet or piston-type aircraft. There are no airports within the City of Sparta.

Proximity to Adjoining County Boundaries

The Georgia Comprehensive Solid Waste Management Act prohibits the siting of a municipal solid waste landfill within one-half mile of another county's border without the approval of the jurisdiction's governing authority. Hancock County borders seven Georgia counties (Greene, Putnam, Baldwin, Washington, Glascock, Warren, Taliaferro).

Developed and Built-Up Areas

Developed and built-up areas within Sparta are limited to the downtown area.

PLAN CONSISTENCY PROCESS

The requirements that a developer of a new solid waste management facility must fulfill in order to demonstrate that the facility is consistent with the City of Sparta Solid Waste Management Plan are outlined below. It is the responsibility of the facility owner to prove consistency. No proposed facility or facility expansion will be sited without a letter from the City of Sparta stating that the facility is consistent with the Solid Waste Management Plan. To determine if a proposed facility or facility expansion is consistent with the Solid Waste Management Plan, an owner/operator of the facility shall:

A. At least 60 days prior to the filing for a solid waste handling permit, or notifying EPD in the case of a solid waste handling facility that is permitted by rule, submit to the local governing authority a written statement documenting the following:

1. How the proposed facility or facility expansion will meet the specific goals and/or needs identified in the Solid Waste Management Plan, specifically what will be:
 - (a) the impact upon the collection capability within the planning area;
 - (b) the impact upon disposal capacity identified within in the planning area: and
 - (c) the impact to the waste reduction and recycling efforts within the planning area.

2. How the proposed facility or facility expansion and its operation will impact the community, specifically what will be:
 - (a) the impact to vehicle traffic and public safety around the proposed facility and throughout the planning area;
 - (b) the impact to the financial viability of the existing solid waste management system within the planning area;
 - (c) the impact to individual and business solid waste management rates;
 - (d) the impact of the proposed facility or facility expansion to other natural or cultural resources within the planning area: and
 - (e) the impact of the proposed facility or facility expansion to the current solid waste management infrastructure within the planning area, both public and private.

3. How the owner/operator of the proposed facility (and any subsequent owner/operators if sold) will satisfy any financial assurance provisions of the SWMP and any local ordinances.

4. That the proper public notification process was followed.
5. That the proposed facility or facility expansion is sited in an area deemed suitable according to the criteria listed in the Solid Waste Management Plan; and
6. That the proposed facility or facility expansion is sited in a location that is consistent with local zoning ordinances.

B. The City of Sparta shall review the "Written Statement of Consistency" and shall determine if the proposed facility or facility expansion is consistent with the Solid Waste Management Plan. Within 30 days of making their determination, the City of Sparta shall notify the developer whether or not the proposed facility or facility expansion is consistent with the Solid Waste Management Plan. If the proposed facility is not consistent with the Solid Waste Management Plan, the developer may address the inconsistencies and resubmit their request for another review.

NEEDS AND GOALS

Sparta's goal is to ensure that any proposed solid waste handling facility is consistent with applicable zoning ordinances and related land use regulations; meets federal, state and local environmental requirements; and is consistent with the city's Comprehensive Plan. In order to achieve this goal, Sparta will:

- Review the existing zoning ordinance to ensure there is sufficient specifications regarding the type of solid waste facilities permitted in various zoning districts and the scope of any conditions.
- Consult the Land Use Element of the Hancock/Sparta Comprehensive Plan when reviewing potential solid waste handling facilities.
- Implement the Plan Consistency Process outlined in this plan.

Section 7 EDUCATION AND PUBLIC INVOLVEMENT ELEMENT

INVENTORY AND ASSESSMENT

No formal education and public involvement programs are currently provided by the City of Sparta. According to local officials, public schools located within the city are actively involved in environmental education efforts, including waste reduction and recycling. Improvements will be required over the course of the planning period.

NEEDS AND GOALS

Sparta's goal is to assist city residents and businesses in becoming more aware of the need to support and participate in local waste reduction efforts. In order to achieve this goal, Sparta will:

- Evaluate participating in a multi-jurisdictional or regional program of education/public involvement that would combine resources and limit costs.
- Consider developing a business or civic organization sponsored reward and recognition program for the community to encourage waste reduction as the focal point of an education/public involvement program;
- Consider using the many resources offered (often free or at a minimal cost) by agencies/organizations such as the Georgia Department of Community Affairs, the Georgia Department of Natural Resources, Keep Georgia Beautiful, United States EPA, private solid waste providers and university/colleges to establish an education/public involvement program. Utilize brochures, flyers, video and audio materials from these and other agencies/organizations to form a local information library;
- Consider taking advantage of the Keep Georgia Beautiful technical assistance and public information assistance to local governments;
- Consider as an initial step to developing an education/public involvement program participating in one or more Keep Georgia Beautiful programs and activities related to solid waste;
- Consider requesting the support of private solid waste collection/disposal vendors in establishing an education/public involvement program within the city;
- Consider as an initial focus of a local education public involvement program making residents aware that littering streets, roads and highways carries a high cost to clean-up, the negative impact of visual blight and the potential danger of adversely affecting natural resources;
- Consider expanding opportunities for community involvement by including local civic organizations, schools, church groups and volunteers in program development and implementation.

Obviously, not all these activities can be implemented immediately. However, they provide a range of activities (not all inclusive by any means) that can be prioritized and initiated over time to develop a robust education/public involvement program and to serve as a springboard for additional alternative education/public involvement opportunities.

Section 8 GOALS AND STRATEGIES

The following goal statements represent the future direction for the City of Sparta regarding solid waste management. A series of strategy statements is identified under each stated goal that addresses more specific issues and suggests recommended courses of action.

WASTE REDUCTION

GOAL *To achieve a 10 percent per capita reduction of waste being received at disposal facilities by promotion of source reduction, reuse, composting, recycling and other applicable waste reduction programs.*

Strategies

- Work with private collection vendor (Attaway Waste Services, Inc.) in assessing the feasibility of curbside recycling and curbside yard waste collection.
- Develop and maintain a working relationship with local businesses, industries, and institutions to encourage their participation in waste reduction and recycling efforts.
- Encourage and promote composting as a means of waste reduction. Encourage individual “backyard” household composting of organic waste such as leaves, yard trimmings and garden reuse. Various public agencies such as DCA, EPD and the UGA Extension Service and private consultants provide information on this practice.
- Encourage and support community-based recycling and waste reduction programs in schools, churches, businesses and civic clubs.

GOAL *To more accurately determine and record the amount and composition of solid waste generated and recycled/reused within Sparta in order to have a sound information base upon which to plan and implement solid waste management and more accurately measure waste reduction.*

Strategies

- Work closely with private vendor (Attaway Waste Services, Inc.) to monitor and document waste amounts collected within Sparta.

- Continue to annually publicize the actual cost of providing solid waste management services through the preparation of annual Full Cost Reports.

COLLECTION

GOAL To ensure the efficient and effective collection of solid waste and recyclable and combustible materials within Sparta.

Strategies

- Continue existing collection practices and make modifications as necessary to support local waste reduction and recycling efforts.
- Continue curbside yard waste collection service.

DISPOSAL

GOAL To ensure that solid waste disposal facilities serving Sparta meet regulatory requirements and are in place when needed to support and facilitate effective solid waste handling programs today and for the subsequent ten year period, thereby maintaining and enhancing the quality of life of all residents.

Strategies

- Continue using the Wolf Creek Landfill for disposal.

LAND LIMITATION

GOAL To ensure that proposed solid waste handling facilities are sited in areas suitable for such developments, are compatible with surrounding uses, and are not considered for location in areas which have been identified by local and state officials as having environmental or other land use limitations.

Strategies

- Be cognizant of land areas within Sparta that are unsuitable for siting solid waste handling facilities.
- Review the zoning ordinance regarding the regulation of solid waste handling facilities and make amendments as necessary.
- Implement the Plan Consistency Procedures contained in this plan.

EDUCATION AND PUBLIC INVOLVEMENT

GOAL Create awareness among residents and businesses of the need and benefit of participating in local recycling and waste reduction efforts.

Strategies

- Consider participating in a multi-jurisdictional or regional program of education/public involvement.
- Consider requesting civic organizations to coordinate a citywide education/public involvement program.
- Consider developing a business or civic organization sponsored reward and recognition program for the community to encourage waste reduction as the focal point of an education/public involvement program.
- Consider using the many resources offered (often free or at a minimal cost) by state/regional/federal agencies/organizations.
- Evaluate compiling a list of the many environmental education websites for dissemination to local citizens, civic groups, schools, etc.
- Consider taking advantage of the Keep Georgia Beautiful technical assistance and public information assistance to local governments.
- Consider expanding opportunities for community involvement by including local civic organizations, schools, church groups and volunteers in program development and implementation.

Section 9 IMPLEMENTATION STRATEGY

TEN YEAR WORK PROGRAM

The following Ten Year Work Program summarizes the overall strategy that the City of Sparta will employ through the year 2018 to achieve the established 10 percent per capita waste reduction goal; the 10-year solid waste handling capability and capacity goal; and other stated solid waste management goals. Specific actions and programs are listed (by year) along with implementation responsibilities, estimated costs, and potential funding sources.

PLAN UPDATES AND AMENDMENTS

The Implementation Strategy will be reviewed on an annual basis as the city prepares its Annual Solid Waste Survey and Full Cost Report. Sparta will take this opportunity to determine if the goals and needs of the city have changed in ways that would require changes to the Solid Waste Management Plan. As required by the Comprehensive Solid Waste Management Act of 1990 and its associated Minimum Planning Standards and Procedures, Sparta will prepare a new Solid Waste Management Plan in 2018.

CITY OF SPARTA SOLID WASTE MANAGEMENT PLAN IMPLEMENTATION STRATEGY - TEN YEAR WORK PROGRAM

Est Cost Funding Source

WASTE AMOUNTS

1. Maintain accurate waste/recycling tonnage amounts.

WASTE REDUCTION

1. Consider implementing curbside recycling programs.

2. Continue curbside yard waste collection program.

3. Work cooperatively with local business/industry.

4. Participate in countywide waste reduction efforts.

5. Monitor the effectiveness of waste reduction efforts.

COLLECTION

1. Continue using private vendor for curbside collection.

2. Monitor effectiveness of collection programs.

DISPOSAL

1. Continue using private vendor disposal services.

2. Continue using Wolf Creek Landfill.

LAND LIMITATIONS

1. Reference environmental maps in planning efforts.

2. Review & amend zoning ordinances as needed.

3. Implement Plan Consistency Process.

EDUCATION & PUBLIC INVOLVEMENT

1. Support local education/public involvement efforts.

2. Work with businesses to encourage public awareness.

GENERAL

1. Update solid waste management plan.

2. Actively seek grants for program/system improvements.

3. Continue full-cost reporting/survey preparation.

Responsibility

2017

2016

2015

2014

2013

2012

2011

2010

2009

2008

Sparta/Private

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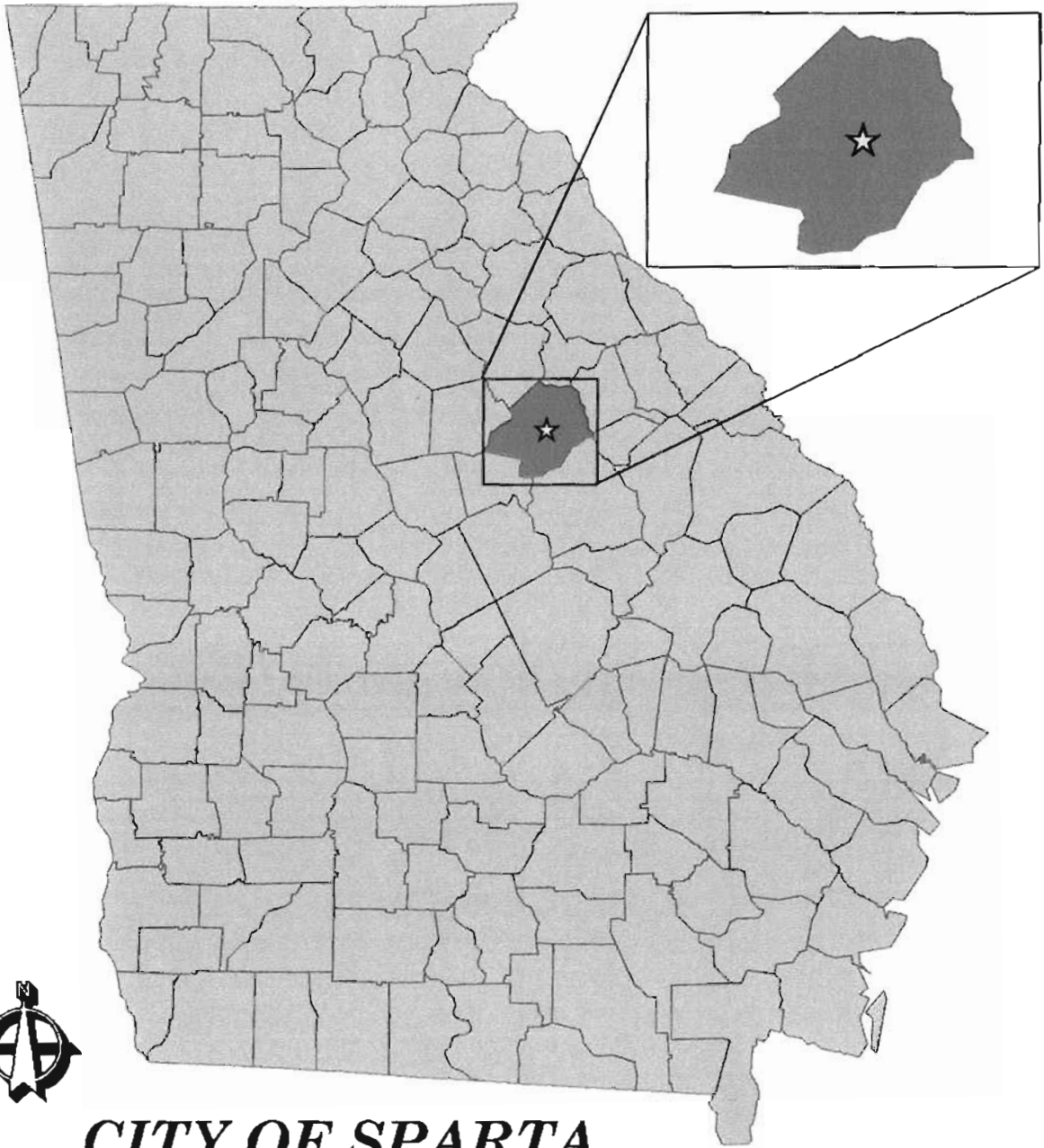
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APPENDIX



***CITY OF SPARTA
HANCOCK COUNTY, GEORGIA***

Landfill Siting Restrictions

Based on best available data as of October 2004

DRAFT



Legend

- ▲ Landfills - 2004
- Co-located landfills
- Historic Sites - buffer
- Political subdivision buffer
- Political subdivision buffer (population)
- ▲ Airport restriction
- Restricted airspace - military
- In flood plain
- Wetlands

Peak Acceleration Values

- 0 - 6
- 7 - 9
- 10 - 14
- 15 - 20
- 21 - 99

The map sheet have been created from information provided by various government and private sources at different instances in time and at various levels of accuracy. It is the responsibility of the user of the data to be aware of the data's limitations and to use the data in an appropriate manner.

0 12.5 25 50 75 100 Miles





March 25, 2008

**Robert Attaway, III
Attaway Waste Services
131 Britt Waters Rd
Milledgeville Ga. 31061**

Dear Mr. Attaway:

This letter serves as a disposal capacity assurance for waste generated by "City of Sparta" serviced by Attaway Waste Services LLC (subsidiary of Advanced Disposal Services, Inc.) from 2008 to 2026. The Georgia EPD Permt Number for this Facility is 143-008D (SL). The assurance is based upon the facility's remaining capacity of 10,986,323.0 CY.

We thank Attaway Waste Services for this business partnership and look forward to providing environmentally sound waste disposal options for the foreseeable future.

Sincerely,

A handwritten signature in black ink that reads "Virginia Villatoro". The signature is written in a cursive, flowing style.

**Virginia Villatoro, GM
Wolf Creek Landfill**



Attaway Waste Services, LLC

Commercial, Industrial & Residential Waste Collection

131 Britt Waters Road NW
Milledgeville, GA 31061

478.453.4435
478.452.2177 Fax
attawaywaste@alltel.net

April 29, 2008

Mr. Mike Warrix
Keck & Wood
Bldg. 2100, Suite 300
2425 Commerce Avenue
Duluth, GA 30096

RE: City of Sparta Solid Waste Management Plan

Dear Mike:

Per your request, enclosed is a copy of our contract with the City of Sparta. A capacity letter from Wolf Creek Landfill is also enclosed.

Thank you for your attention in this regard.

Sincerely,

A handwritten signature in cursive script that reads 'Donna C. Attaway'.

Donna C. Attaway

Enclosures

APR 29 2008

EXCLUSIVE AGREEMENT FOR SERVICES

STATE OF GEORGIA,
COUNTY OF HANCOCK

This Agreement, made and entered into between the City of Sparta, Georgia, a political subdivision of the State of Georgia, acting by and through its duly elected Mayor and Council Members, hereinafter referred to as "The City", and Attaway Waste Services, of Baldwin County, Georgia, hereinafter referred to as "AWS".

WITNESSETH:

For and in consideration of the mutual benefits and promises passing between the City and AWS as hereinafter set out, the parties do mutually agree and covenant as follows, to-wit:

1.

AWS shall collect and dispose of all solid waste, refuse, and garbage from individual households and any commercial accounts that are currently being serviced by the City of Sparta. This collection and disposal service includes 95-gallon wheeled containers for residential and commercial collection and front load dumpsters for commercial collection located within the service area of the City of Sparta. AWS will provide special service collection (back door pickup) service for elderly, disabled and handicapped. This will be certified by a statement from a physician. The total households receiving back door pickup shall not be more than eight percent (8%) of the total number of carts. AWS shall not be required to collect bulky items such as white goods, yard trash, limbs, furniture, mattresses, or dead animals. AWS will be responsible for all tipping fees, taxes and surcharges required at the landfill. AWS reserves the right to dispose of the City's solid waste at any permitted landfill approved by the state of Georgia.

2.

EQUIPMENT

AWS shall operate and maintain sufficient equipment and manpower to adequately handle pickup service at the level required to meet the needs of the City of Sparta households that is, a weekly pickup of each household. Trucks shall be in conformity with all laws and regulations affecting vehicles used for the collection and transportation of solid waste and garbage. Each truck will be maintained in a clean and sanitary manner.

3.

INSURANCE

It is mutually agreed between the City and AWS that, during the term of this Contract, AWS shall have in full force and effect liability insurance policies providing liability insurance coverage for all vehicles to be used by AWS in the performance of the agreement, and that said coverage shall be in the amount of not less than One Million Dollars (\$1,000,000.00) for property damage and for personal injury coverage. AWS will also provide and maintain workmen's compensation insurance, as provided by law, covering the employees of AWS in the performance of their duties under this Contract.

4.

LEGAL PROTECTION

AWS hereby covenants and agrees that it will hold harmless and indemnify the City from any and all suits, expense (including attorney fees), actions or claims of any character brought on account of any injuries or damages by any person or persons or property on account of any

negligence or fault of AWS, its agents or employees, in their performance of the various provisions of the Contract. AWS shall be considered an independent contractor.

5.

DEBRIS

AWS hereby agrees and covenants that it will pickup residential solid waste, as herein described, on schedule as specified in this Contract. AWS further agrees that they keep and maintain the streets, roads, sidewalks and other areas free of solid waste and other debris that might fall or spill during collection of such solid waste.

6.

FORCE MAJEURE Natural Disaster/Act of God

In case, by reason of force majeure, AWS shall be rendered unable to carry out, wholly or in part, its obligations under this Agreement, then AWS shall give notice and full particulars of such force majeure in writing to the City within a reasonable time after the occurrence of the event or cause. The obligations of AWS shall be suspended during the continuance of the inability. Service shall be resumed with all reasonable dispatch after the "force majeure" has been eliminated.

7.

PUBLIC INFORMATION

When AWS starts delivering carts to each household within the City, AWS will deliver to each household in the City a detailed description of the routes of pickup in the City. This letter will also instruct the members of each household on the rules of solid waste pickup and the day of pickup for that household.

8.

CORRESPONDENCE

All notices required to be given under the terms and conditions of this Contract shall be considered properly delivered by U. S. mail to the City at: PO Box H, Sparta, GA 31087 and AWS at PO Box 427, Milledgeville, GA 31061.

9.

FEES

AWS will collect and dispose of residential solid waste (household garbage only) in the designated roll out carts (95-gallon):

Price per cart per month per households: 1 x wk. \$7.70

AWS shall be responsible for providing the 95-gallon roll out carts and any maintenance. Both parties understand that this is curbside cart service on a public road. The frequency of pickup is at a level of one (1) pickup per week.

Commercial Customers that Require Front Load Dumpsters:

AWS will charge the following monthly rates:

4 yard 1x week	\$48.00
8 yard 1x week	\$84.00
8 yard 2x week	\$160.00

At the City’s request, commercial customers requiring smaller front load dumpsters can be billed directly by AWS.

Both parties understand that these prices do include landfill tipping fees, taxes and any surcharge imposed by the landfill.

AWS would also provide a forty (40) cubic yard open-top container for inert material.

AWS will charge the following rate:

Per Haul	\$125.00
Per Ton/ Disposal	\$10.00
No Rental	

10.

ACCEPTABLE WASTE

AWS will collect and dispose of all residential solid waste which is permitted by the permits and licenses held by AWS and which is acceptable for disposal by AWS under said permits, pursuant to present and future State and Federal laws, regulations and permits. AWS shall have the right to refuse to dispose of hazardous or toxic waste, explosive materials or untreated biomedical waste.

11.

95-GALLON ROLL OUT CONTAINERS

It will be the responsibility of AWS to ensure that each residential unit is provided with a 95-gallon roll out container during the duration of this Contract. The City shall have the responsibility to deliver carts for new services and the pickup of discontinued services. All carts shall be maintained so as to function as designed by the manufacturer. Any roll out cart damaged through normal wear and tear shall be replaced by AWS at its expense. Any cart destroyed, lost or damaged by a resident will be replaced by AWS at the expense of the resident to whom the cart was assigned and AWS will bill this expense directly to the resident.

12.

PAYMENT

AWS shall submit to the City of Sparta a bill for the previous months service by the first day of the month, and the City shall pay AWS by the fifteenth (15th) day of the same month. In the event the fifteenth (15th) day of the month is a Saturday or Sunday; the payment shall be due the following Monday.

13.

COLLECTION OF FEES

It shall be the responsibility of the City to collect all commercial and residential cart garbage fees. At the City's request, AWS can bill commercial customers that require a front load dumpster.

14.

TERMS OF CONTRACT

The term of this Agreement shall be for a period of five (5) years, commencing on July 1, 2003, and continuing until July 1, 2008. The term of this Contract may be extended at any time if mutually agreed upon by both parties. Both parties warrant they have the capacity to bind themselves to the terms of this Contract.

15.

NOTICE OF RIGHT TO CURE

Upon breach of or default under this agreement by either party, the other party shall not declare default. Nor shall they take any action hereunder without giving the other party written

notice setting forth in reasonable detail the nature of such breach of default and giving at least ten (10) business days to remedy such breach of default.

16.

ESCALATION CLAUSE

AWS will not increase rates for the first two (2) years of this contract. Thereafter, rates may be increased, not to exceed 3 %, annually to reflect the Consumer Price Index (CPI) as applicable to the Atlanta Region available from the Bureau of Labor Statistics. AWS will present its rate schedule to the City on the anniversary date of this Agreement each year.

17.

RIGHT TO PETITION

While in the course of doing business, operating costs should rise to a point unforeseen by any reasonable criteria, such as the cost of insurance rates, workmen's compensation insurance, fuel, new or changed governmental regulations, landfill costs, or regulation costs, AWS has the right to petition for financial relief.

18.

HOLIDAYS

For purposes of this agreement, the following days shall be observed as holidays by AWS:

New Year's Day Thanksgiving Day Christmas Day Independence Day

AWS may, at its option, observe the same holidays as officially recognized by the City. AWS is then obligated to reschedule collection service during the same week. Each City customer can expect a minimum of one (1) collection during the holiday week.

19.

COMPLIANCE WITH LAWS

AWS agrees that it will comply with all laws of the federal government and the State of Georgia and the rules and regulations of all governmental agencies relative to the collection and transportation of solid waste and refuse. AWS agrees it will be an equal opportunity employer without discrimination as to race, color or religion.

20.

BINDING EFFECT

This Agreement constitutes the entire understanding between the parties and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. This Contract is non-transferable without a proper passed resolution and the expressed written consent of the City Council of the City of Sparta.

IN WITNESS WHEREOF, the said parties have hereunto set their hands and affixed their seals, on the 1st day of July, 2003.

Signed, sealed and delivered
In the presence of:

CITY OF SPARTA

Myristina Colby
Unofficial Witness

BY: *Wm. R. Silfi*

John F. Hitchcock Jr.
Notary Public, Georgia
My Commission Expires:

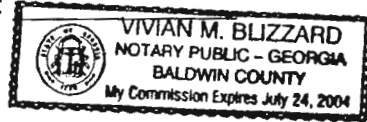
ATTEST: *Virginia M. Brown*

JOHN F. HITCHCOCK JR.
NOTARY PUBLIC
Baldwin County
State of Georgia
My Comm. Expires Aug. 1, 2004

Signed, sealed and delivered
In the presence of:

Wm. Andrews
Unofficial Witness

Vivian M. Blizzard
Notary Public, Georgia
My Commission Expires:



ATTAWAY WASTE SERVICES

BY: *Robbie Attaway*
President
Robbie Attaway