

1.5 A BRIEF ASSESSMENT OF SUCCESSES AND SHORTCOMINGS RELATED TO EACH ELEMENT [163.3191(2)(H)]

CHAPTER EIGHT - SOLID WASTE SUB-ELEMENT

In the late 1990's there were significant changes to state law concerning solid waste disposal operations, both public and private.

A new nomenclature, including materials recovery, facility and various classes of landfills were created or modified. This chapter addresses mostly County landfill and solid waste facilities, the solid waste stream, and recycling. However, Chapter 8 does delve into private solid waste facilities. To reflect changes in state law concerning solid waste disposal facilities and to reflect new trends in solid waste management, especially private operations, the Objectives and Policies of this Chapter may need to be updated/modified.

INTRODUCTION

The Solid Waste Sub-Element has 3 Goals:

- Goal 8.1 Volusia Country shall reduce its reliance on landfills.
- Goal 8.2 All solid waste facilities (landfills, transfer stations, household hazardous waste collection centers) shall be conveniently and cost effectively located and built and maintained in such a manner as to minimize the adverse impacts on the environment, residential neighborhoods and road networks.
- Goal 8.3 Ensure that the availability and quality of solid waste disposal facilities and hazardous waste collection facilities: meet public needs, conform to state and federal standards are managed properly and provided for in an efficient and coordinated manner.

The Tomoka Landfill and the Solid Waste Transfer station meets all the requirements for waste disposal in a cost efficient manner. The addition of Flagler County's waste stream to the County landfill is counter balanced by Deltona's decision to dispose of its solid waste to a provider outside of Volusia County. Deltona's population is greater than Flagler County. The Tomoka Landfill has an estimated life to the year 2050 and beyond.

The EAR-based amendments will result in no changes to these Goals.

OBJECTIVE ANALYSIS

Objective 8.2.1

Volusia County shall continue to implement programs designed to eliminate littering and illegal dumping.

Objective Achievement Analysis

The Objective will remain as currently worded. The County has three compliance officers who enforce its program against littering and illegal dumping along with a telephone number that allows County residents to report violators. The County has a public education program with billboards that targets residents and visitors to encourage them to recycle more and litter less. The County works with local volunteer civic groups and clubs on clean-up days along County roads, beaches and parks (Adopt a Beach, Adopt a Road and Adopt a Park programs).

Policy Relevance

There are 6 Policies under this Objective that will remain as currently worded

Objective 8.2.2

All solid waste facilities shall be located and maintained so as not to degrade surface water quality.

Objective Achievement Analysis

The Objective will remain as currently worded. The County's Landfill and Solid Waste Transfer Station has monitoring wells from the Department of Environmental Protection that ensure that the Tomoka Landfill does not pollute the aquifer. The Tomoka Landfill has a National Pollutant Discharge Elimination System permit from the Environmental Protection Agency, and a stormwater management permit from the St. Johns River Water Management District. The Landfill also has a dredge and fill permit from the Army Corps of Engineers. Class I landfills are monitored frequently and have strict environmental requirements due to the potential hazard from improper solid waste disposal.

Policy Relevance

There are 2 Policies under this Objective that will remain as currently worded.

Objective 8.2.3

Locate and maintain solid waste facilities in a manner which does not adversely affect residential neighborhoods or local streets

Objective Achievement Analysis

The Objective will remain as currently worded. The Tomoka Landfill and the Solid Waste Transfer Station do not adversely affect residential neighborhoods or local streets, as there are adequate buffers between the landfills and the residential neighborhoods. The Solid Waste Transfer Station was constructed along State Road 44 away from existing residential neighborhoods. The issue is not new solid waste facilities encroaching on residential neighborhoods, but residential growth moving closer to existing solid waste facilities. Residential growth at urban densities has moved west of Interstate 95 and has

moved closer to the landfill and existing rural communities such as Tomoka Farms Road and Samsula.

Policy Relevance

There are 5 Policies under this Objective that will remain as currently worded.

Objective 8.3.1

Maintain an 8.6 pounds per capita, per day, disposal capacity at all solid waste facilities combined. The level of service for solid waste capacity shall be a minimum of 5 years of construction life for the County Landfill. Any development that results in the landfill falling below this capacity will not be issued a certificate of capacity for concurrency unless the impacts of the developments are mitigated.

Objective Achievement Analysis

The Objective will remain as currently worded. The present landfill has a permitted capacity well beyond 5 years and a construction capacity well past the planning time horizon of this Comprehensive Plan and possibly until the next century. Even though Volusia County takes in the solid waste stream of neighboring Flagler County, the Tomoka Landfill has plenty of available capacity. The City of Deltona's decision to dispose of their waste outside of Volusia County adds capacity to a landfill that had more than sufficient space through the planning period.

Policy Relevance

There are 2 Policies under this Objective that will remain as currently worded.

Objective 8.3.2

Increase the number of hazardous waste collection facilities.

Objective Achievement Analysis

This Objective needs to insert the word "household" in front of hazardous waste collection facilities. The County receives business waste at the Solid Waste Transfer Station and the Landfill, but household hazardous waste has drop-off facilities located throughout the County and its municipalities.

Policy Relevance

There are 3 Policies under this Objective. Policy 8.3.2.1 needs to add the word household in two places. All other Policies remain as currently worded.

Policy 8.3.2.1 The Volusia County Solid Waste Services Group shall continue to collect data regarding the amount, type and location of source of household hazardous waste collected at the household hazardous waste collection facilities to assess the need and location of additional collection facilities.

Objective 8.3.3

The County shall assist in the enforcement of those mechanisms regulating the proper accumulation and disposal of hazardous waste (State Policies 13.2, 13.4, 13.6 and 13.11 ECFRPC Policies 50.4 and 50.5). Increase the number of hazardous waste collection facilities.

Objective Achievement Analysis

The Objective will remain as currently worded,

Policy Relevance

There are 6 Policies under this Objective that will remain as currently worded.

Objective 8.3.4

Volusia County shall continue to maintain a program to dispose of septic tank and wastewater treatment plant sludge in an environmentally acceptable manner.

Objective Achievement Analysis

The Objective will remain as currently worded.

Policy Relevance

There are 2 Policies under this Objective that will remain as currently worded.