

Each unit of local government, either individually or in cooperation with other units of local government, must develop a 10-year comprehensive solid waste management plan. The Department will assist units of local government in the preparation of the plan, if the unit of local government requests assistance. Each plan should be updated at least every three years. The local government shall provide the Department with a copy of its current plan upon request.

Requirements:

- Units of local government shall make a good-faith effort to achieve the State's forty percent (40%) municipal solid waste reduction goal and to comply with the State's comprehensive solid waste management plan.
- Each unit of local government shall develop its solid waste management plan with public participation, including, at a minimum, one advertised public meeting.
- Each plan shall:
 - (1) Evaluate the solid waste stream in the geographic area covered by the plan.
 - (2) The solid waste reduction goals should be determined by the unit or units of local government that prepare the plan, and be determined so as to assist the State, to the maximum extent practical, to achieve the State's forty percent (40%) municipal solid waste reduction goal as set out in G.S. 130A-309.04(c).
 - (3) Be designed to achieve the solid waste reduction goals established by the plan.
 - (4) Include a description of the process by which the plan was developed, including provisions for public participation in the development of the plan.
 - (5) Include an assessment of current programs and a description of intended actions with respect to the following solid waste management methods:
 - a. Reduction at the source.
 - b. Collection.
 - c. Recycling and reuse.
 - d. Composting and mulching.
 - e. Incineration with energy recovery.
 - f. Incineration without energy recovery.
 - g. Transfer outside the geographic area covered by the plan.
 - h. Disposal.
 - (6) Include an assessment of current programs and a description of intended actions with respect to:
 - a. Education with the community and through the schools.
 - b. Management of special wastes.
 - c. Prevention of illegal disposal and management of litter.
 - d. Purchase of recycled materials and products manufactured with recycled materials.
 - (7) Include a description and assessment of the full cost of solid waste management, including the costs of collection, disposal, waste reduction, and other programs, and of the methods of financing those costs.
 - (8) Consider the use of facilities and other resources for management of solid waste that may be available through private enterprise.
 - (9) Include as a component a written plan for the management of abandoned manufactured homes as required under G.S. 130A-309.113(a).

THE DOCUMENT

A good Solid Waste Management Plan is a tool. It should serve as a guide for future planning decisions and a reference for the public and other government agencies. Good Plans address handling of banned items, recycling, and household hazardous waste. Good Plans provide clear projections for waste disposal, population, and disposal sites' capacity and life-spans. Good Plans give an accounting of the detailed costs associated with solid waste management: collection, hauling, disposal, and environmental monitoring.

Cover Page

Clearly state all counties and municipal governments covered by the plan along with the effective plan dates (e.g. July 1, 2012-June 30, 2022).

Table of Contents

Plan pages should be numbered and sections listed in a Table of Contents.

Section 1 - Local Contacts

List local contacts, such as county managers, mayors, solid waste directors, and litter enforcement officers. Also, include a map of all solid waste facilities, disposal sites, and emergency debris staging sites used by local governments in the plan.

Section 2 - Public Participation

Describe the process by which the plan was developed, including provisions for public participation in the development of the plan; include a copy of the notice for public meeting.

Section 3 - Waste Characterization

Chart and summarize waste broken down by waste type. Chart and summarize waste broken down by generator group (e.g. residential, commercial, industrial).

Section 4 - Waste Reduction Goal

Using the *Waste Reduction Goal Sheet* (<http://www.wastenotnc.org/swhome/planning/wrgoalsheetv2009L.doc>), compare per capita waste reduction goals with progress made toward the goals. If necessary, adjust waste reduction goals. Set a waste reduction goal that encompasses ten years of planning, beginning with the due date year. For example, if the current update is due June 30, 2012 establish a new waste reduction goal for FY 2021-2022.

Section 5 - Waste Handling Characterization

Indicate the primary method/process and disposal facility (e.g. resident brings waste to convenience center, convenience center waste brought to transfer station (permit #), transfer station transfers to landfill (permit #)) for the following waste types from the geographic area covered by the plan:

- a. Municipal Solid Waste (MSW)
- b. Construction and Demolition Waste (C&D)
- c. Land Clearing and Inert Debris (LCID)
- d. White Goods (WG), this should include both the metal and gasses
- e. Scrap Tires (ST)
- f. Electronics (EL)

Section 6 - Assessment and Actions

Assess and summarize current programs using bullet points. Provide a description of intended actions with respect to the following solid waste management topics:

- a. Reduction at the source.

- b. Collection.
- c. Recycling and reuse.
- d. Composting and mulching.
- e. Incineration with energy recovery.
- f. Incineration without energy recovery.
- g. Transfer outside the geographic area covered by the plan.
- h. Disposal.
- i. Education with the community and through the schools.
- j. Management of special wastes. The following must be addressed specifically:
 - 1. Scrap tires
 - i. The number of facilities and/or convenience sites at which tires are collected (e.g. four of seven convenience sites).
 - ii. The manner in which the tires are stored at the primary facility and loaded on to trucks for transport to the recycler (e.g. stacked, laced, piled).
 - iii. The manner in which tires are stored at alternate facilities and/or convenience site (e.g. piled on ground, stacked on ground, stacked in truck).
 - iv. The contracted recycler/tire processor (e.g. US Tire, Central Carolina) and the criteria for when a shipment is made to the recycler/tire processor (e.g. when truck is full, once every 3 months).
 - v. Indicate actions the scrap tire program has taken or plans to take to minimize costs (e.g. seek best contract with recycler, tires laced in truck for more efficient transport, tires transported only when truck is full, check documents for ineligible tires, or attach fees to undocumented tires).
 - 2. White goods
 - i. The number of facilities and/or convenience sites at which white goods are collected (e.g. four of seven convenience sites).
 - ii. The manner in which refrigerant gasses are extracted from white goods and the person or firm responsible for extraction, the final disposition of the gasses (note: counties are responsible for making sure gasses are properly disposed or recycled, a response indicating that they do not know or that it is the responsibility of the recycler is not acceptable), who the recycler is (e.g. Omnisource, DH Griffin), where records kept indicating dates, times and amounts of gasses extracted.
 - iii. Indicate whether the refrigerant bearing white goods are being kept separate from non-refrigerant bearing white goods.
 - iv. Indicate if the refrigerant bearing white goods are being handled roughly at the facility (e.g. use of backhoe or claw to move refrigerant bearing white goods prior to gas extraction, refrigerant bearing white goods dumped on ground).
 - v. Criteria for when a shipment is made (e.g. when pad is full, every six months, when 100 tons are accumulated) and who is responsible for transport (e.g. county or recycler or third party).
 - 3. Electronics – in order to be eligible for the annual distribution of funds for this program area the following criteria must be in the solid waste management plan:
 - i. Information on existing programs within the jurisdiction to recycle or reuse discarded computer equipment, televisions, and other electronic devices, or information on a plan to begin such a program on a certain date. This information shall include a description of the implemented or planned practices for collection of the equipment and a description of the types of equipment to be collected and how the equipment will be marketed for recycling.
 - ii. Information on a public awareness and education program concerning the recycling and reuse of discarded computer equipment, televisions, and other electronic devices.

- iii. Information on methods to track and report total tonnage of computer equipment, televisions, and other electronic devices collected and recycled in the jurisdiction.
 - iv. Information on interactions with other units of local government to provide or receive services concerning disposal of discarded computer equipment, televisions, and other electronic devices.
 - v. Information on how the unit of local government will account for the expenditure of funds received pursuant to this section (creation of separate line items in budget).
 - vi. Documentation that your program is using an electronics recycler/vendor that holds the required e-Stewards or R2 certifications, plus attestation that all of the covered equipment that is managed by your program is managed by the recycler(s)/vendor(s) in question. Acceptable documentation could include copies of contracts or service agreements with your electronics recycling vendor and a copy of their certification document as issued by R2 Solutions or e-Stewards or an accredited 3rd party auditor.
4. Abandoned manufactured homes - Include as a component a written plan for the management of abandoned manufactured homes as required under G.S. 130A-309.113(a).
5. Household Hazardous Waste
- i. List all collection activities. Indicate if they are permanent, contracted, or temporary in nature. What is the estimated use by citizens (e.g. 1% of county population) of these activities?
 - ii. Describe plan for collection of HHW waste (e.g. increase, decrease, or remain the same in the amount of time, money and manpower).
 - iii. Indicate the degree of public demand for a HHW program and whether there are any known issues with this waste type (e.g. ground water or waste water contamination due to illegal dumping of HHW).
6. Other special waste, including fluorescent lights, oil filters, etc.
- More information regarding these wastes can be found on the web at:
<http://portal.ncdenr.org/web/wm/sw>.
- k. Prevention of illegal disposal and management of litter.
 - l. Purchase of recycled materials and products manufactured with recycled materials.

Section 7 - Solid Waste Management Cost

Include a description and assessment of the full cost of solid waste management. Include the costs of collection, disposal, waste reduction and other programs, along with the methods used to finance those costs. DEAO has a Web page on full-cost accounting at <http://www.p2pays.org/payt/main/fullcost.htm>.

Section 8 - Emergency/Disaster Debris Management and Animal Mortality

Provide a list of pre-approved staging areas or disposal sites, an emergency contact list, and a copy of your local emergency management plan, which should contain guidance for mass animal mortality if appropriate.

Section 9 - Resolutions

Place signed copies of resolutions from all participating entities (local governments, solid waste authorities) showing adoption of the plan.

Section 10 - Ordinances

Attach or provide a web link to any ordinances dealing with solid waste, littering, and formalized buy-recycled policy within the geographic area covered by the plan.

SUBMITTAL

When complete the plan should be placed on the county web site in a conspicuous place and available to the public. A link to the completed plan should be sent by e-mail to the Solid Waste Section – Programs and Planning Branch (ethan.brown@ncdenr.gov) and to your regional inspector.