Bladen County, North Carolina

Solid Waste Management Plan
Three-Year Update
(2012-2022 Planning Period)

Participating Jurisdictions:

Bladen County
Bladenboro
Clarkton
Dublin
East Acadia
Elizabethtown
Tar Heel
White Lake

October 2012

Prepared by:

Bladen County
106 East Broad Street
Elizabethtown, North Carolina 28337
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# BLADEN COUNTY, NORTH CAROLINA

## SOLID WASTE MANAGEMENT PLAN – THREE YEAR UPDATE

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BLADEN COUNTY
SOLID WASTE MANAGEMENT PLAN – THREE YEAR UPDATE

1.0 INTRODUCTION

This update of Bladen County’s Solid Waste Management Plan was prepared in general accordance with the Division of Waste Management’s Ten Year Solid Waste Management Plan guidance document and North Carolina General Statute (NCGS) 130A-309.09A. This statute directs local governments to assess local solid waste collection and disposal capacity, determine the adequacy of collection services and disposal capacity to meet local needs, and to develop a 10-year solid waste management plan that is updated at least every three years.

The Bladen County Solid Waste Management Plan was originally adopted in June 1991. Subsequent updates have occurred in 2003, 2006, 2009, and 2010. The Bladen County solid waste geographical planning area includes the Bladen County unincorporated areas as well as the municipalities of Bladenboro, Clarkton, Dublin, Elizabethtown, East Arcadia, Tar Heel, and White Lake. Most of these communities have adopted the Bladen County Solid Waste Management Plan by formal resolutions or actions undertaken by their collected elected boards, commissions, or representative officials. The Bladen County Solid Waste Management Plan addresses residential solid waste as generated within the County. Waste reduction, recycling, or diversion services offered to agricultural, industrial, or commercial entities are not specifically addressed within this plan.

This update provides guidelines for the management of solid waste and its reduction for the next ten years (Planning Period of July 2012 through June 2022). The goals of the ten year plan have been and continue to be the following:

- **Goal 1:** To protect public health and the environment.
- **Goal 2:** To provide planning area residents with waste disposal capacity, waste collection services, and waste reduction and recycling opportunities.
- **Goal 3:** To decrease improper waste disposal.
- **Goal 4:** To work toward the State waste reduction goal as recognized by Bladen County.
- **Goal 5:** To increase the efficiency and cost-effectiveness of solid waste programs.

2.0 ACCOMPLISHMENTS

Solid waste accomplishments that have occurred since the original plan adoption have included:

- Transitioning the unmanned, drop-off convenience centers to fully staffed convenience (a.k.a. “convenient”) centers.
- Increasing the number of staffed convenience centers in the county (current total of 17).
- Incorporating “Swap Shops” at each of the convenience centers.
- Developing “Keep Bladen Beautiful” campaigns and appointing local representation to the board.
- Complying with the regulatory landfill disposal bans.
- Being awarded grants from the NC Department of Pollution Prevention and Environmental Assistance (DPPEA).
- Increasing community education through advertisements.

### 3.0 LOCAL CONTACTS

Bladen County planning area solid waste management contacts are as follows:

<table>
<thead>
<tr>
<th><strong>Bladen County:</strong></th>
<th><strong>Clarksboro:</strong></th>
</tr>
</thead>
</table>
| Greg Martin, County Manager  
106 East Broad Street  
Bladen County Courthouse, Room 106  
Elizabethtown, NC 28337  
(910) 862-6700  
gmartin@bladeno.org | Robert Mazur, General Services Manager  
272 Smith Circle Road  
Elizabethtown, NC 28337  
(910) 876-3490 office  
rmaur@bladeno.org |

<table>
<thead>
<tr>
<th><strong>Bladenboro:</strong></th>
<th><strong>Clarkton:</strong></th>
</tr>
</thead>
</table>
| Delane Jackson, Town Manager  
Town of Bladenboro  
411 Ivey Street  
Post Office Box 455  
Bladenboro, NC 28320 | Arthur E. Whedbee, Mayor  
Town of Clarkton  
Post Office Box 306  
81 N. Elm Street  
Clarkton, NC 28433 |

<table>
<thead>
<tr>
<th><strong>Dublin:</strong></th>
<th><strong>East Acadia:</strong></th>
</tr>
</thead>
</table>
| Horace Wyatt, Mayor  
Town of Dublin  
PO Box 36  
Dublin, NC 28332  
(910) 862-4301 | Perry Blanks, Mayor  
Town of East Arcadia  
1516 East Arcadia Road  
Riegelwood, NC 28456  
(910) 655-4388  
earcadia@bellsouth.net |

<table>
<thead>
<tr>
<th><strong>Elizabethtown:</strong></th>
<th><strong>White Lake:</strong></th>
</tr>
</thead>
</table>
| Sylvia Campbell, Mayor  
Town of Elizabethtown  
805 West Broad Street  
Post Office Box 716  
Elizabethtown, NC 28337  
(910) 862-2066 | Eddie Madden, Town Manager  
805 West Broad Street  
Post Office Box 716  
Elizabethtown, NC 28337  
(910) 862-2066  
manager@elizabethtownnc.org |
| Pat Devane, Director of Public Services  
(910) 862-2035  
pdevane@elizabethtownnc.org | H. Goldston Womble, Jr.  
**Town of White Lake**  
1879 White Lake Drive, PMB 7250 White Lake, NC 28337  
910-862-4800  
bclark@whitelakenc.org |

<table>
<thead>
<tr>
<th><strong>Tar Heel:</strong></th>
<th><strong>White Lake:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard L. Martin, Sr., Mayor</td>
<td></td>
</tr>
</tbody>
</table>
4.0 PUBLIC PARTICIPATION

The Bladen County planning area developed and approved the original ten year plan in 1991. This three year update was put together by County personnel with assistance from Smith Gardner, Inc. of Raleigh and then was reviewed by County staff.

A public meeting was held on _______________, 2012 at ______________________ at ____ p.m.. Refer to Appendix B for a copy of the public meeting advertisement.

The three year update was subsequently approved by resolution of the County Commissioners on __________ ______________________, 2012. Refer to Appendix A for a copy of the County resolution and resolutions from each of the municipalities within the Bladen County planning area.

5.0 WASTE STREAM EVALUATION

Based on the County’s Waste Disposal Report for FY 2010-11 (see Appendix F), the Bladen County planning area disposed of approximately 41,698 tons of residential, commercial, institutional waste, construction and demolition debris (C&D) waste, and industrial waste in FY 2010-11. Of this total, approximately 19,287 tons of waste were received at the Bladen County transfer station. The majority of waste generated in the County was disposed of at the Sampson County Disposal Landfill in Sampson County (NC Permit No. 82-02).

The County does not have a study at this time of waste generated within the County. Therefore, the estimated percentages shown in Figure 1 were taken from State provided analyses from FY 2007-08 (see Appendix C). The percentages are determined using the reported total disposal tonnage from FY 2007-08 (41,137 tons). From the percentages shown in Figure 1, the estimated tons disposed for FY 2010-11 are shown in Table 1.

Figure 1: Estimated Bladen County Waste Stream Characterization

Note:
### Table 1: Estimated Waste Characterization (FY 2010-11)

<table>
<thead>
<tr>
<th>Waste Type</th>
<th>% of Waste Stream</th>
<th>Waste Volume (Tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>21.1</td>
<td>8,798</td>
</tr>
<tr>
<td>Glass</td>
<td>2.9</td>
<td>1,209</td>
</tr>
<tr>
<td>Plastic</td>
<td>4.2</td>
<td>1,751</td>
</tr>
<tr>
<td>Metals</td>
<td>2.1</td>
<td>1,001</td>
</tr>
<tr>
<td>Pallets and Wood Crates</td>
<td>4.6</td>
<td>1,918</td>
</tr>
<tr>
<td>Food Wastes</td>
<td>8.8</td>
<td>3,669</td>
</tr>
<tr>
<td>Textiles (Post Consumer)</td>
<td>1.9</td>
<td>792</td>
</tr>
<tr>
<td>Electronics</td>
<td>0.5</td>
<td>208</td>
</tr>
<tr>
<td>Construction &amp; Demolition Debris</td>
<td>30.5</td>
<td>12,718</td>
</tr>
<tr>
<td>Other</td>
<td>23.4</td>
<td>9,634</td>
</tr>
<tr>
<td><strong>Totals:</strong></td>
<td><strong>100</strong></td>
<td><strong>41,698</strong></td>
</tr>
</tbody>
</table>

**Note:**
1. Percentages are based on Figure 1.

### 6.0 WASTE REDUCTION GOAL

The Solid Waste Management Act of 1989 was amended in 1991 and established a statewide waste reduction goal of 40 percent diversion on a per capita basis from landfill disposal by 2001. This goal has yet to be achieved and the per capita rates have fluctuated annually and remained above the baseline year’s rate.

Bladen County’s per capita disposal rate for the baseline year of 1991-1992 was calculated as 0.86. Since this period, the per capita rate has experienced a steady increase. As documented in Table 2 below, Bladen County has had an increase in the quantity of waste disposed as well as an increase in population. For fiscal year 2010-2011, the per capita disposal rate was 38% above the baseline year.

### Table 2: County Population and Per Capita Disposal Rates

<table>
<thead>
<tr>
<th>Fiscal Year ¹</th>
<th>Population</th>
<th>Tonnage Disposed</th>
<th>Per Capita Disposal Rate (tons/person)</th>
<th>% Change from Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1991-1992 (Baseline Year)</td>
<td>29,065</td>
<td>24,824</td>
<td>0.86</td>
<td>-----</td>
</tr>
<tr>
<td>2002-03</td>
<td>32,656</td>
<td>44,554</td>
<td>1.36</td>
<td>59%</td>
</tr>
<tr>
<td>2003-04</td>
<td>32,784</td>
<td>31,482</td>
<td>0.96</td>
<td>12%</td>
</tr>
<tr>
<td>2004-05</td>
<td>32,996</td>
<td>30,178</td>
<td>0.91</td>
<td>6%</td>
</tr>
<tr>
<td>2005-06</td>
<td>32,866</td>
<td>30,666</td>
<td>0.93</td>
<td>8%</td>
</tr>
<tr>
<td>2006-07</td>
<td>32,870</td>
<td>36,815</td>
<td>1.12</td>
<td>30%</td>
</tr>
<tr>
<td>2007-08</td>
<td>32,500</td>
<td>41,137</td>
<td>1.27</td>
<td>47%</td>
</tr>
<tr>
<td>2008-09</td>
<td>32,153</td>
<td>35,536</td>
<td>1.11</td>
<td>29%</td>
</tr>
<tr>
<td>2009-10</td>
<td>32,043</td>
<td>38,487</td>
<td>1.20</td>
<td>40%</td>
</tr>
<tr>
<td>2010-11</td>
<td>35,243</td>
<td>41,698</td>
<td>1.18</td>
<td>38%</td>
</tr>
</tbody>
</table>

**Note:**
Bladen County and its municipalities understand the difficulties associated in achieving the State’s recommended 40 percent waste reduction goal and have focused on working toward re-establishing and achieving the baseline year’s per capita rate by the end of this planning period (June 2022). Utilizing population projections from the North Carolina Office of State Budget and Management, the target waste disposal tonnages based on each year’s target per capita disposal rate are shown in Table 3 below.

### Table 3: Waste and Population Projections

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Population¹</th>
<th>Target Per Capita Disposal Rate (tons/person)</th>
<th>Target Disposal Tonnage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-13</td>
<td>35,115</td>
<td>1.12</td>
<td>39,329</td>
</tr>
<tr>
<td>2013-14</td>
<td>35,086</td>
<td>1.09</td>
<td>38,243</td>
</tr>
<tr>
<td>2014-15</td>
<td>35,057</td>
<td>1.06</td>
<td>37,160</td>
</tr>
<tr>
<td>2015-16</td>
<td>35,029</td>
<td>1.03</td>
<td>36,080</td>
</tr>
<tr>
<td>2016-17</td>
<td>34,999</td>
<td>1.00</td>
<td>34,999</td>
</tr>
<tr>
<td>2017-18</td>
<td>34,971</td>
<td>0.97</td>
<td>33,921</td>
</tr>
<tr>
<td>2018-19</td>
<td>34,942</td>
<td>0.94</td>
<td>32,845</td>
</tr>
<tr>
<td>2019-20</td>
<td>34,912</td>
<td>0.91</td>
<td>31,770</td>
</tr>
<tr>
<td>2020-21</td>
<td>34,884</td>
<td>0.88</td>
<td>30,698</td>
</tr>
<tr>
<td>2021-22</td>
<td>34,854</td>
<td>0.86</td>
<td>29,974</td>
</tr>
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</table>

**Notes:**


Since the original plan adoption, each community has made incremental improvements in their educational efforts, modified or improved service availability, and increased program awareness. However, due to recent budgetary constraints, expanding programs, services, or integrating new disposal options are cost prohibitive. Bladen County will continue to seek grant funding and partnerships to enhance solid waste activities.

### 7.0 ASSESSMENT AND ACTIONS

Each solid waste management method as required by North Carolina G.S. 130A-309.09A(b) is described below. Each section includes an assessment of the current program and a summary of the intended actions. Appendix E contains Planning Element Sheets for each of the following planning elements which present completed, incomplete, and new or revised actions from those presented in the prior ten year plan.

#### 7.1 Reduction

**Current Programs:** The Bladen County planning area has no formal plan for source reduction at present.

**Intended Actions:** No new or revised actions are intended at this time.
7.2 **Collection**

**Current Program:** Bladen County has seventeen (17) full service solid waste convenience (a.k.a. “convenient) centers located throughout the County (including one located at the County’s transfer station facility) (see map and contact information in Appendix F). These centers are staffed through a contractor. An attendant is on-site at each location during operating hours to assist citizens or to answer any questions. Waste that is not recycled is placed in a compactor located on-site. Once full, the container is removed, an empty container is put in place, and a County employee transports the waste to the County’s Transfer Station. Some County residents also contract with private haulers for collection of their waste.

Bladenboro, Clarkton, Dublin, Elizabethtown, and White Lake each provide weekly residential curbside waste collection through contract with a private hauler (currently Waste Management). Bladenboro, Clarkton, and Elizabethtown also provide collection of brown goods (furniture, etc.), white goods, scrap metal, and/or yard waste by city/town staff. The Towns of East Acadia and Tar Heel do not provide collection services to their residents. Residents of these towns utilize the County convenience centers or contract directly with a private hauler.

Waste collected in Bladen County is primarily taken to one of the following facilities:

- The Bladen County Transfer Station in Elizabethtown, which is owned and operated by the County under State Permit No. 09-04T.

- The Sampson County Disposal Landfill in Sampson County, which is owned and operated by Sampson County Disposal, Inc. (a subsidiary of Waste Industries) under State Permit No. 82-02.

**Intended Actions:** No new or revised actions are intended at this time.

7.3 **Recycling and Reuse**

7.3.1 **Recycling**

**Current Program:** Recycling is provided by Bladen County at each of their convenience centers. Clarkton and Elizabethtown each has an un-manned site for recyclables. White Lake provides residential curbside collection of recyclables (bi-weekly collection of 95 gallon carts). Bladen County allows residents of municipalities to use their convenience centers for the drop-off of recyclables.

Commercial, industrial, and institutional facilities handle their own recycling needs.

**Intended Actions:** No new or revised actions are intended at this time.

7.3.2 **Reuse**

**Current Program:** Each of the County convenience centers has a “swap-shop” where residents can drop off usable items such as clothing, small appliances, toys, and furniture at no charge. Anyone wishing to browse the “swap shops” is encouraged to take whatever they can use, also at no charge.

**Intended Actions:** No new or revised actions are intended at this time.
7.4 **Composting and Mulching**

7.4.1 **Composting**

*Current Program:* Neither the County or any of the municipalities has plans for a formal composting program.

*Intended Actions:* No new or revised actions are intended at this time.

7.4.2 **Mulching**

*Current Program:* Yard waste, limbs, and brush are accepted at the County’s land clearing and inert debris (LCID) landfill (located at 1041 Mercer Mill Road in Elizabethtown) and at the County’s convenience centers. Yard waste that is collected at the convenience centers is transported to the LCID landfill. Bladenboro and White Lake also have LCID landfills which are utilized for disposal of yard waste collected curbside by city/town staff. Dublin, Clarkton, and Elizabethtown also provide curbside collection by city/town staff. This yard waste is transported to the County’s LCID landfill.

*Intended Actions:* No new or revised actions are intended at this time. However, the County and/or municipalities may elect to grind limbs and brush from time to time.

7.5 **Incineration**

*Current Program:* Incineration with or without energy recovery is not a part of the County’s current program.

*Intended Actions:* The County does not plan to use incineration with or without energy recovery.

7.6 **Transfer Outside the Geographic Area**

*Current Program:* Bladen County has a contract with Waste Industries for the disposal of solid waste from the County’s transfer station. This contract expires on October 20, 2018. Waste collected at the County’s transfer station is transported directly to the Sampson County Disposal Landfill in Sampson County (NC Permit No. 82-02) (or alternatively another approved disposal facility). The County also has a contract with First Tee Transport for the transportation of waste to Sampson County. This contract expires on November 1, 2018.

*Intended Actions:* The County will evaluate transfer and disposal contracts and other options for disposal prior to end of the contract term.

7.7 **Disposal**

*Current Program:* All municipal solid waste (MSW) is transported out of the County and disposed of at an approved landfill (see Section 7.6).

*Intended Actions:* No new or revised actions are intended at this time.
7.8 **Education With the Community and Through the Schools**

**Current Program:** The County makes routine presentations to local schools to educate teachers and students on the benefits of waste reduction, reuse, and recycling. The County also periodically issues information on recycling and waste disposal (via County convenience centers and through the local media). Additionally, the County has previously set up a local chapter of the Keep America Beautiful organization called Keep Bladen Beautiful (KBB). This organization encourages and promotes waste reduction, reuse, and recycling and also focuses on litter prevention and cleanup. KBB also has a mascot, “Les Litter”, which is used in local events (parades, festivals, etc.) as well as some of the school presentations.

**Intended Actions:** No new or revised actions are intended at this time.

7.9 **Special Waste**

7.9.1 **Tires**

**Current Program:** Tires are collected free of charge at each of the County’s convenience centers and temporarily stored in a covered area. These tires are then transported to the County’s transfer station by County staff where they are loaded on enclosed trailers. A tire recycler (currently Central Carolina Tire) collects these trailers when full. Tire haulers and collectors who use the County facility are required to produce a scrap tire tax certification form. Money from the statewide tire tax supports the tire recycling program.

**Intended Actions:** No new or revised actions are intended at this time.

7.9.2 **White Goods**

**Current Program:** White goods and scrap metal are collected at each of the County’s convenience centers. White goods and scrap metal collected at the County’s convenience centers and by municipalities are taken to the transfer station where they are temporarily stored until periodic removal by a recycler (currently Metal Recycling Services). The recycler also provides removal of CFCs as required by law. Money from the statewide white goods tax supports the white goods program.

**Intended Actions:** No new or revised actions are intended at this time.

7.9.3 **Lead-Acid Batteries**

**Current Program:** Lead-acid batteries are collected at each of the convenience centers. When a sufficient quantity of batteries is collected, a battery recycler (currently Macks Recycling) is called to reclaim them. Residents can also recycle batteries with local auto parts dealers.

**Intended Actions:** No new or revised actions are intended at this time.

7.9.4 **Used Motor Oil**

**Current Program:** Used motor oil is collected at each of the convenience centers (1 to 5 gallon containers in covered containment basin). Oil collected at the convenience centers is transported to the transfer station for temporary storage (500-gallon tank in
containment basin) until picked up by a recycler (currently Safety Kleen). Used oil filters are also collected and recycled. Residents can also recycle used motor oil and filters with local auto parts dealers or garages.

**Intended Actions:** No new or revised actions are intended at this time.

### 7.9.5 Household Hazardous Waste (HHW)

**Current Program:** There are no plans for collection of HHW in the County at present.

**Intended Actions:** No new or revised actions are intended at this time. However, if funding should allow, the County and/or municipalities may elect to hold one or more events for collection of HHW.

### 7.9.6 Pesticide Containers

**Current Program:** In coordination with the Cooperative Extension Service, the County periodically accepts triple-rinsed agricultural pesticide containers at specified convenience centers (8 centers are currently set up to handle the containers). The containers are temporarily stored in a separate fenced in area and detailed instructions are posted. Containers are collected periodically by a recycler (currently USAg Recycling).

**Intended Actions:** No new or revised actions are intended at this time.

### 7.10 Illegal Disposal/Litter

**Current Program:** The County has in place a solid waste management ordinance which deters illegal disposal and littering (see Appendix F). The Solid Waste Director and/or local law enforcement investigate reports of illegal dumping and other violations. Periodic volunteer activities (NC Big Sweep, etc.) and participation in the Keep Bladen Beautiful’s “Swat The Litterbug” program assist with the control of litter in the County.

**Intended Actions:** No new or revised actions are intended at this time.

### 7.11 Purchasing Recycled Products

**Current Program:** No mandatory recycled product purchasing program is in place at this time for either the County or municipalities. However, the County and municipalities do purchase products with recycled content whenever economically feasible and depending on product quality.

**Intended Actions:** No new or revised actions are intended at this time.

### 7.12 Disaster Response

**Current Program:** Refer to Section 9.0.

**Intended Actions:** No new or revised actions are intended at this time.
7.13 **Collection of Discarded Computer Equipment and Televisions**

**Current Program:** Bladen County collects recyclable electronics at each of their convenience centers. Materials which are accepted for recycling include, but are not limited to, CRTs, TVs, hard drives, scanners, fax machines, copiers, and other miscellaneous electronic equipment. Electronics collected at the convenience centers are delivered to the County transfer station facility for temporary storage. The County is under contract with an appropriately certified recycling contractor (currently Creative Recycling Systems, Inc.) for the collection and processing of the electronics from the County.

County municipalities provide for collection of recyclable electronics within their jurisdictions. Typically, the municipalities provide curbside pickup on designated days (same as for brown goods and white goods (i.e. sofas, chairs, mattresses, appliances, etc.)).

Bladen County and/or the municipalities may also elect to hold special events for the collection of discarded electronics.

Bladen County provides information on electronics recycling at their convenience centers and through periodic local advertisements.

Bladen County requires its electronics recycling contractor(s) to provide regular reports, by month and by event, detailing the type and number of units recycled as well as the type and tonnage of electronics materials collected.

Bladen County provides for the temporary storage of collected recyclable electronics from all interested County municipalities at the County transfer station facility. Municipalities are required to notify the County prior to delivery to the transfer station facility. Municipalities are responsible for the collection and transport of recyclable electronics generated within their jurisdiction.

Bladen County has set up a separate Electronics Management Account into which all funds received through distributions from the State’s electronics management account are deposited. A detailed register of all expenditures paid from the account is maintained and all reporting to the State is completed and submitted as required by law.

**Intended Actions:** No new or revised actions are intended at this time.

7.14 **Management of Abandoned Manufactured Homes**

**Current Program:** At this time there are no programs for the management of abandoned manufactured homes in the County.

**Intended Actions:** No new or revised actions are intended at this time.

8.0 **SOLID WASTE MANAGEMENT COSTS AND FINANCING METHODS**

8.1 **Costs**

Below are brief descriptions of the solid waste management costs for each of the programs operated in the County. A summary of these costs is provided as Table 4. The costs shown are
derived from the full cost analysis worksheets prepared by each program as part of their FY 2011-12 Solid Waste and Materials Management Annual Report to the State.

8.1.1 **Bladen County**

Bladen County has 17,813 households that disposed of 18,037 tons of solid waste, recovered 1,561 tons of recyclable material, and disposed of 1,696 tons of yard waste in FY 2011-12.

8.1.2 **Bladenboro**

Bladenboro has 927 households that disposed of 592 tons of solid waste and disposed of 1,456 cubic yards (approximately 500 tons) of yard waste in FY 2011-12.

8.1.3 **Clarkton**

Clarkton has 552 households. Clarkton did not report solid waste or yard waste tonnages for FY 2011-12.

8.1.4 **Dublin**

Dublin has 242 households. Dublin did not report solid waste or yard waste tonnages for FY 2011-12.

8.1.5 **East Acadia**

East Acadia does not have its own solid waste program. The residents of East Acadia participate with the County’s program.

8.1.6 **Elizabethtown**

Elizabethtown has 2,228 households that disposed of 3,455 tons of solid waste, recovered 44 tons of recyclable material, and disposed of 941 tons of yard waste in FY 2011-12.

8.1.7 **Tar Heel**

Tar Heel does not have its own solid waste program. The residents of Tar Heel participate with the County’s program.

8.1.8 **White Lake**

White Lake has 919 households that disposed of 711 tons of solid waste, recovered 55 tons of recyclable material, and disposed of 350 tons of yard waste in FY 2011-12.

8.2 **Financing Methods**

The County’s financing methods for their solid waste program include:

- Household fees for collection and disposal ($130/Year/HH);
- Tipping Fees paid at the transfer station;
- Sale of recyclables;
- Tire, white goods, and disposal tax reimbursements; and
- Miscellaneous grants.

The municipalities financing methods are based mainly on household fees.

**Table 4: Solid Waste Management Costs**

<table>
<thead>
<tr>
<th>Program Category</th>
<th>Program</th>
<th>Bladen County</th>
<th>Bladenboro</th>
<th>Clarkton</th>
<th>Dublin</th>
<th>Elizabethtown</th>
<th>White Lake</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Solid Waste Collection and Disposal</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Cost</td>
<td>$2,117,950</td>
<td>$131,666</td>
<td>$81,933</td>
<td>$29,723</td>
<td>$783,254</td>
<td>$184,269</td>
<td></td>
</tr>
<tr>
<td>Cost/Household</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$351.55</td>
<td>$200.51</td>
<td></td>
</tr>
<tr>
<td>Cost/Ton</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$226.70</td>
<td>$259.14</td>
<td></td>
</tr>
<tr>
<td><strong>Reduction, Reuse, and Recycling</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Cost</td>
<td>(See Note 1)</td>
<td>(See Note 1)</td>
<td>(See Note 1)</td>
<td>(See Note 1)</td>
<td>$46,242</td>
<td>$46,279</td>
<td></td>
</tr>
<tr>
<td>Cost/Household</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$20.75</td>
<td>$53.25</td>
<td></td>
</tr>
<tr>
<td>Cost/Ton</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$1,050.95</td>
<td>$845.27</td>
<td></td>
</tr>
<tr>
<td><strong>Mulching, Composting, and Other Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Cost</td>
<td>(See Note 1)</td>
<td>(See Note 1)</td>
<td>(See Note 1)</td>
<td>(See Note 1)</td>
<td>$80,208</td>
<td>$19,256</td>
<td></td>
</tr>
<tr>
<td>Cost/Household</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$36.00</td>
<td>$21.25</td>
<td></td>
</tr>
<tr>
<td>Cost/Ton</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>$85.24</td>
<td>$55.79</td>
<td></td>
</tr>
<tr>
<td><strong>Total Program Cost</strong></td>
<td>$2,117,950</td>
<td>$131,666</td>
<td>$81,933</td>
<td>$29,723</td>
<td>$909,704</td>
<td>$250,074</td>
<td></td>
</tr>
<tr>
<td><strong>Total Cost/Household</strong></td>
<td>$118.90</td>
<td>$142.03</td>
<td>$148.54</td>
<td>$122.82</td>
<td>$408.31</td>
<td>$275.01</td>
<td></td>
</tr>
<tr>
<td><strong>Total Cost/Ton</strong></td>
<td>$99.46</td>
<td>$120.62</td>
<td>(See Note 2)</td>
<td>(See Note 2)</td>
<td>$204.89</td>
<td>$224.11</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Bladen County, Bladenboro, Clarkton, and Dublin program costs are combined for all services.
2. Clarkton and Dublin did not report tonnages for FY 2011-12.
9.0 EMERGENCY/DISASTER DEBRIS MANAGEMENT AND ANIMAL MORTALITY

Bladen County has a temporary emergency/disaster debris staging site located on Aviation Parkway (Site No. DS09-005). Access to site is on Brown Marsh Road. The temporary emergency debris staging location is only utilized during times of community emergencies as determined by the Governor’s office or local officials. Upon activation of the temporary emergency debris area, staff of the Bladen County Solid Waste Department will notify the Division of Waste Management’s Senior Environmental Specialist.

Bladen County and the NC Department of Transportation established an inter-governmental agreement regarding the removal of debris during a State of Disaster or Imminent Threat of Disaster and/or a State of Emergency declaration. A copy of this inter-governmental agreement is on file with the County’s Emergency Operations Center and the Solid Waste Management Office.

Currently, Bladen County does not facilitate the management or disposal of veterinary waste or offer animal morbidity services. These services are available to the community by private markets.

A copy of the County’s Emergency Operations Plan outlining public works activities and restoration of essential services is located in Appendix F. This plan includes a plan for debris removal.
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Appendix A

Resolutions of Participating Entities
(To Be Provided in Final Version)

Bladen County, North Carolina
Solid Waste Management Plan
Three-Year Update
Appendix B

Copy of Public Meeting Advertisement
(To Be Provided in Final Version)

Bladen County, North Carolina
Solid Waste Management Plan
Three-Year Update
Appendix C

Waste Characterization Information

Bladen County, North Carolina
Solid Waste Management Plan
Three-Year Update
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Source - NC DPPEA Quick Waste Stream Analysis

This analysis seeks to identify the presence of basic materials in a community's waste stream. The analysis uses waste stream factors from the North Carolina Market Assessment report and data from the 2007-08 Local Government Solid Waste Management Annual Reports. County reports include all municipal recycling tonnes (unless noted). "Local Tonerage" represents estimated generation from residents, institutional, and commercial sources. The whole waste stream is not represented here. "Current recovery" reflects LC Recycling efforts only and is taken from the Local Government Solid Waste Management Annual Reports; no private sector recovery is included.

<table>
<thead>
<tr>
<th>Material</th>
<th>Local Tonnage</th>
<th>Current Recovery</th>
<th>Tons Left in Waste Stream</th>
<th>Percent Recovered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Paper</td>
<td>6,767.62</td>
<td>87.31</td>
<td>8,676.31</td>
<td>1.1%</td>
</tr>
<tr>
<td>Newspapers</td>
<td>1,169.67</td>
<td>38.77</td>
<td>1,169.70</td>
<td>3.3%</td>
</tr>
<tr>
<td>Corrugated Cardboard</td>
<td>3,591.72</td>
<td>41.69</td>
<td>3,591.83</td>
<td>1.2%</td>
</tr>
<tr>
<td>Magazines</td>
<td>229.63</td>
<td>-</td>
<td>229.63</td>
<td>0.0%</td>
</tr>
<tr>
<td>Office Paper</td>
<td>786.86</td>
<td>-</td>
<td>786.86</td>
<td>0.1%</td>
</tr>
<tr>
<td>Mixed Fractions</td>
<td>2,857.24</td>
<td>15.40</td>
<td>2,841.84</td>
<td>0.9%</td>
</tr>
<tr>
<td>Other Paper</td>
<td>109.85</td>
<td>1.25</td>
<td>108.50</td>
<td>1.1%</td>
</tr>
<tr>
<td>Total Glass</td>
<td>1,176.11</td>
<td>0.83</td>
<td>1,175.28</td>
<td>0.1%</td>
</tr>
<tr>
<td>Glass</td>
<td>569.00</td>
<td>0.17</td>
<td>567.83</td>
<td>0.0%</td>
</tr>
<tr>
<td>Green</td>
<td>306.70</td>
<td>-</td>
<td>306.70</td>
<td>0.0%</td>
</tr>
<tr>
<td>Aluminum</td>
<td>202.27</td>
<td>0.86</td>
<td>201.41</td>
<td>0.2%</td>
</tr>
<tr>
<td>Total Plastic</td>
<td>1,137.22</td>
<td>3.19</td>
<td>1,128.33</td>
<td>0.1%</td>
</tr>
<tr>
<td>PETE</td>
<td>352.52</td>
<td>4.31</td>
<td>350.21</td>
<td>1.3%</td>
</tr>
<tr>
<td>PPE</td>
<td>575.54</td>
<td>2.08</td>
<td>573.46</td>
<td>0.5%</td>
</tr>
<tr>
<td>Other Plastic</td>
<td>629.57</td>
<td>-</td>
<td>629.57</td>
<td>0.0%</td>
</tr>
<tr>
<td>Total Metals</td>
<td>N/A</td>
<td>571.99</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Aluminum Cans</td>
<td>107.33</td>
<td>2.74</td>
<td>104.19</td>
<td>1.1%</td>
</tr>
<tr>
<td>Steel Cans</td>
<td>327.92</td>
<td>1.00</td>
<td>326.92</td>
<td>0.3%</td>
</tr>
<tr>
<td>Wire Goods</td>
<td>486.25</td>
<td>14.24</td>
<td>471.96</td>
<td>29.2%</td>
</tr>
<tr>
<td>Other Metal</td>
<td>N/A</td>
<td>426.11</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Pallets and Wood Crates</td>
<td>1,044.81</td>
<td>-</td>
<td>1,044.81</td>
<td>0.0%</td>
</tr>
<tr>
<td>Food Wastes</td>
<td>3,033.03</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Textiles (good consumer)</td>
<td>783.85</td>
<td>-</td>
<td>783.85</td>
<td>0.0%</td>
</tr>
<tr>
<td>Electronics</td>
<td>289.25</td>
<td>2.87</td>
<td>286.38</td>
<td>1.4%</td>
</tr>
<tr>
<td>Commingled Tonnage</td>
<td>N/A</td>
<td>3.20</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Other Materials Collected</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Construction Debris</td>
<td>12,542.15</td>
<td>-</td>
<td>N/A</td>
<td>0.00%</td>
</tr>
<tr>
<td>Other Wood</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Pesticide Containers</td>
<td>N/A</td>
<td>2.12</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>-</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Special Wastes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Used Oil (Gallons)</td>
<td>57,093.37</td>
<td>3,895.00</td>
<td>53,198.37</td>
<td>0.0%</td>
</tr>
<tr>
<td>Used Oil Filters (g/f)</td>
<td>53,249.75</td>
<td>-</td>
<td>53,249.75</td>
<td>0.0%</td>
</tr>
<tr>
<td>Ammonia (Gallons)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Lead Acid Batteries (lf)</td>
<td>15,212</td>
<td>403.00</td>
<td>N/A</td>
<td>2.8%</td>
</tr>
<tr>
<td>HHW (tons)</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
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Appendix D

Waste Reduction Goal Worksheet

Bladen County, North Carolina
Solid Waste Management Plan
Three-Year Update
WASTE REDUCTION GOAL SHEET
NC LOCAL GOVERNMENT TEN YEAR SOLID WASTE MANAGEMENT PLAN

Local Government Name: Bladen County

Previously established waste reduction goal: None %

After considering your government’s current and projected solid waste activities, resources, population, and economic growth have you reached your previously established goal? ☐ Yes  ☒ No

Establish a new waste reduction goal: 0 (By End of FY 2021-22) %

WASTE REDUCTION CALCULATION
To provide 10 years of solid waste management planning, as per G.S. 130A-309.09A(b), waste reduction goals need to be updated. Use the following chart to determine the tonnage needed to be diverted from landfills in order to reach the new waste reduction goal.

<table>
<thead>
<tr>
<th>CALCULATION</th>
<th>FY 2021-22</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Baseline year per capita disposal rate</td>
<td>0.86</td>
</tr>
<tr>
<td>(FY 1991-1992 unless alternate approved by Section)</td>
<td></td>
</tr>
<tr>
<td>2. Percent waste reduction goal</td>
<td>0 %</td>
</tr>
<tr>
<td>3. Targeted per capita disposal rate</td>
<td>0.86</td>
</tr>
<tr>
<td>(Subtract line 2 from 1.0 and multiply result by line 1)</td>
<td></td>
</tr>
<tr>
<td>4. Estimated population in the new waste reduction goal year</td>
<td>34,854</td>
</tr>
<tr>
<td>(Available at Office of State Budget and Management website: Projected Annual County Population Totals 2020-2029)</td>
<td></td>
</tr>
<tr>
<td>5. Projected tonnage for disposal at baseline disposal rate</td>
<td>29,974</td>
</tr>
<tr>
<td>(Multiply line 1 by line 4)</td>
<td></td>
</tr>
<tr>
<td>6. Targeted annual tonnage for disposal</td>
<td>29,974</td>
</tr>
<tr>
<td>(Multiply line 3 by line 4)</td>
<td></td>
</tr>
<tr>
<td>7. Targeted annual tonnage to reduce</td>
<td>0 (See Note 1)</td>
</tr>
<tr>
<td>(Subtract line 6 from line 5)</td>
<td></td>
</tr>
</tbody>
</table>

Population Link:
http://www.osbm.state.nc.us/ncosbm/facts_and_figures/socioeconomic_data/population_estimates/demog/countytotals_2020_2029.html

WASTE REDUCTION PLAN
Given the targeted annual tonnage amount to be reduced, explain how you plan to reach the goal:

Note 1: Based on the most recent reported per capita disposal rate (1.18 for FY 2010-11), the targeted tonnage reduction would be 11,154 tons for FY 2021-22.
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PLANNING ELEMENTS:

1.0 Reduction

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>No mandatory plan in place.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>


PLANNING ELEMENTS:

2.0 Collection

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY ACTIONS:</td>
<td>COMPLETION DATE:</td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td>Curbside collection programs (municipal) and County Convenience Centers remain in use.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>

### 3.0 Recycling and Reuse

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY ACTIONS:</td>
<td>COMPLETION DATE:</td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td>Recycling in some municipalities and at County Convenience Centers.</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Swap shops operated at County Convenience Centers.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>

Recycling in some municipalities and at County Convenience Centers.

Current

Swap shops operated at County Convenience Centers.

Current
### PLANNING ELEMENTS:

4.0 Composting and Mulching

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>Yard waste is accepted at the County LCID landfill and by various municipalities.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>

Yard waste is accepted at the County LCID landfill and by various municipalities.
PLANNING ELEMENTS:

5.0 Incineration

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY ACTIONS:</td>
<td>COMPLETION DATE:</td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td>Not Applicable</td>
<td></td>
<td>WHY NOT COMPLETE?:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DATE DUE:</td>
</tr>
</tbody>
</table>
## PLANNING ELEMENTS:

**6.0 Transfer Outside the Geographic Area**

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong> County owns/operates transfer station for collection and transfer of MSW.</td>
<td><strong>COMPLETION DATE:</strong> Current</td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td><strong>KEY ACTIONS:</strong> County has contract with First Tee Transport for the transportation of waste from the County transfer station (Contract expires 11/1/18).</td>
<td><strong>COMPLETION DATE:</strong> Current</td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td><strong>KEY ACTIONS:</strong> County has contract with Waste Industries for disposal of waste from the County transfer station (Contract expires 10/20/18).</td>
<td><strong>COMPLETION DATE:</strong> Current</td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
</tbody>
</table>
PLANNING ELEMENTS:

7.0 Disposal

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY ACTIONS:</td>
<td>COMPLETION DATE:</td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td>Continue use of out-of-County disposal.</td>
<td>Current</td>
<td>WHY NOT COMPLETE?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


### PLANNING ELEMENTS:

8.0 *Education With the Community and Through the Schools*

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>County to continue routine presentations in local schools.</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Provide periodic information on recycling and waste disposal at County Convenience Centers and through the local media.</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Keep Bladen Beautiful organization active.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>
### PLANNING ELEMENTS:

#### 9.0 Special Waste

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>Continue tire, white goods, lead-acid batteries, used motor oil, and pesticide container programs.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>
### PLANNING ELEMENTS:

#### 10.0 Illegal Disposal/Litter

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>County Solid Waste Director and/or local law enforcement to continue to investigate reports of illegal dumping and other complaints.</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Volunteer and other programs active (NC Big Sweep, Swat-The-Litterbug, etc.)</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>
### PLANNING ELEMENTS:

11.0 Purchasing Recycled Products

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>No mandatory plan in place.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>

No mandatory plan in place.
### PLANNING ELEMENTS:

#### 12.0 Disaster Response

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>County has in place an emergency operations plan including provision for a temporary emergency/disaster debris staging area.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>
PLANNING ELEMENTS:

13.0 Collection of Discarded Computer Equipment and Televisions

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY ACTIONS:</td>
<td>COMPLETION DATE:</td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td>County began recycling program for electronic waste.</td>
<td>FY 2010-11</td>
<td>WHY NOT COMPLETE?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KEY ACTIONS:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DATE DUE:</td>
</tr>
</tbody>
</table>
PLANNING ELEMENTS:

14.0 Management of Abandoned Manufactured Homes

<table>
<thead>
<tr>
<th>COMPLETED ACTIONS</th>
<th>INCOMPLETE ACTIONS</th>
<th>NEW OR REVISED ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY ACTIONS:</strong></td>
<td><strong>COMPLETION DATE:</strong></td>
<td><strong>KEY ACTIONS:</strong></td>
</tr>
<tr>
<td>No mandatory plan in place.</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>
Appendix F

Supporting Information

Bladen County, North Carolina
Solid Waste Management Plan
Three-Year Update
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Bladen County

Landfilled (Tons) in County's Name: 41,697.73  
Calculated (Tons): 41,697.73

Population: 35,243.00  
Calculated (Tons)/Person: 1.18

Calculations:
Solid waste landfilled in the county's name: 41,697.73
Solid waste sent outside the county to transfer station or recycling facility and subsequently landfilled: 0.00
Solid waste received in the county at transfer station or recycling facility and subsequently landfilled: 0.00
Solid waste sent to transfer station or recycling facility inside county and subsequently landfilled: 17,858.17

Calculated Amount of waste disposed by county = [MSW Landfills + CD Landfills] + [Waste Exported out of county to recycling facility or transfer station] - [Waste imported into county to a recycling facility or transfer station]

Equation:  [41,697.73] + [0.00] - [0.00]
## Bladen County Solid Waste Convenient Centers

<table>
<thead>
<tr>
<th>Site</th>
<th>Date Opened</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ammon Collection Center</td>
<td>12-2001</td>
</tr>
<tr>
<td>119 Ammon Com. Center Road</td>
<td></td>
</tr>
<tr>
<td>Garland, NC 28441</td>
<td></td>
</tr>
<tr>
<td>2. * Hickory Grove Collection Center</td>
<td>01-2002</td>
</tr>
<tr>
<td>80 Hwy 210 West</td>
<td></td>
</tr>
<tr>
<td>Garland, NC 28441</td>
<td></td>
</tr>
<tr>
<td>3. * Dublin Collection Center</td>
<td>04-2003</td>
</tr>
<tr>
<td>6771 Hwy 41 West</td>
<td></td>
</tr>
<tr>
<td>Bladenboro, NC 28320</td>
<td></td>
</tr>
<tr>
<td>4. Tobermory Collection Center</td>
<td>05-2003</td>
</tr>
<tr>
<td>1852 Tobermory Road</td>
<td></td>
</tr>
<tr>
<td>St. Pauls, NC 28384</td>
<td></td>
</tr>
<tr>
<td>5. * Bladenboro Collection Center</td>
<td>09-2003</td>
</tr>
<tr>
<td>46 Webb Faulk Road</td>
<td></td>
</tr>
<tr>
<td>Bladenboro, NC 28320</td>
<td></td>
</tr>
<tr>
<td>6. Tar Heel Collection Center</td>
<td>07-2004</td>
</tr>
<tr>
<td>423 Tar Heel Ferry Road</td>
<td></td>
</tr>
<tr>
<td>Tar Heel, NC 28390</td>
<td></td>
</tr>
<tr>
<td>7. Lisbon Collection Center</td>
<td>03-2005</td>
</tr>
<tr>
<td>2373 White Plains Church Road</td>
<td></td>
</tr>
<tr>
<td>Clarkton, NC 28433</td>
<td></td>
</tr>
<tr>
<td>8. Sandy Grove Collection Center</td>
<td>05-2005</td>
</tr>
<tr>
<td>3206 Horse Shoe Road</td>
<td></td>
</tr>
<tr>
<td>Bladenboro, NC 28320</td>
<td></td>
</tr>
<tr>
<td>9. * East Arcadia Collection Center</td>
<td>06-2005</td>
</tr>
<tr>
<td>77 Kennedy Store Road</td>
<td></td>
</tr>
<tr>
<td>Riegelwood, NC 28456</td>
<td></td>
</tr>
<tr>
<td>10. Abbotsburg Collection Center</td>
<td>10-2005</td>
</tr>
<tr>
<td>13887 Twisted Hickory Road</td>
<td></td>
</tr>
<tr>
<td>Bladenboro, NC 28320</td>
<td></td>
</tr>
<tr>
<td>11. Wards Collection Center</td>
<td>11-2005</td>
</tr>
<tr>
<td>370 NC Hwy 53 West</td>
<td></td>
</tr>
<tr>
<td>Elizabethtown, NC 28337</td>
<td></td>
</tr>
</tbody>
</table>
12. Live Oak Collection Center  
   13763 NC Hwy 53 West  
   White Oak, NC  28339  
   03-2006

13. * Rowan Collection Center  
   16956 Hwy 210 East  
   Ivanhoe, NC  28447  
   05-2006

14. Council Collection Center  
   120 Carvers Creek Road  
   Council, NC  28434  
   10-2006

15. * Kelly Collection Center  
   19867 NC Hwy 53 East  
   Kelly, NC  28448  
   06-2006

16. * Bay Tree Collection Center  
   10431 NC Hwy 41 East  
   Harrells, NC  28444  
   07-2007

17. * Gate Convenient Center  
   1522 Mercer Mill Road  
   Elizabethtown, NC  28337  
   07-2007

* Accepts pesticide plastic containers for recycling

Hours:  8:00 a.m. to 4:30 p.m. Monday – Friday  
Phone: (910) 645-4279
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ARTICLE I. - IN GENERAL

Sec. 44-1. - Purpose of legislation.
Sec. 44-2. - Definitions.
Sec. 44-3. - Applicability of board of health rules.
Sec. 44-4. - Territorial jurisdiction of chapter.
Sec. 44-5. - Conflicts of law.
Secs. 44-6—44-20. - Reserved.

Sec. 44-1. - Purpose of legislation.

It is the purpose of this chapter to:

1. Provide for and regulate in the most economically feasible, cost-effective and environmentally safe manner, the storage, collection, transport separation, processing, recycling, and disposal of solid waste, to include hazardous waste and medical waste, in order to protect the public health, safety and welfare; enhance the environment for the citizens and residents of the county, and recover resources which have the potential for further usefulness, all in accordance with the authority, purposes, policies, and goals enunciated in the laws and regulations of the state pertaining to solid waste management.

2. Provide incentives and penalties which will encourage the lawful disposal of solid waste and deter littering and other unlawful disposal of solid waste; provide means of abating illegal dump sites; and encourage voluntary, community-based efforts to monitor and report littering and illegal dumping.

3. Impose and establish a schedule of fees to defray the cost to the county of providing solid waste disposal, collection, and resource recovery services and facilities.

4. Protect and enhance the health, safety, and welfare of citizens residing within the county by requiring that all designated solid waste generated within the territorial jurisdiction of the county be disposed of in a manner that complies with the requirements of all applicable federal, state, and county laws and regulations including, but not limited to, the Resource Conservation and Recovery Act and the Solid Waste Management Act of 1989, as they may be amended from time-to-time.

5. Help the county regulate, in an environmentally safe manner, the storage, collection, transport, separation, processing, recycling, and disposal of designated solid waste generated within the county.

6. Use all reasonably available means to promote efficient methods of managing designated solid waste and to promote the economical recovery of material and energy resources from designated solid waste.

(Ord. of 2-3-1997, § 1-1)

Sec. 44-2. - Definitions.
The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

**Beneficial fill** means a permit is not required for beneficial fill activity that meets all of the following conditions:

1. The fill material consists only on inert debris strictly limited to concrete, brick, concrete block, uncontaminated soil, rock, and gravel;
2. The fill activity involves no excavation;
3. The purpose of the fill activity is to improve land use potential or other approved beneficial reuses; and
4. The fill activity is not exempt from, and must comply with, all other applicable federal, state, and local laws, ordinances, rules, and regulations, including but not limited to zoning restrictions, floodplain restrictions, wetland restrictions, mining regulations, sedimentation and erosion control regulations.

Fill activity shall not contravene groundwater standards.

*State law reference—Statutory authority, G.S. 130A-294.*

**Collection** means the act of removing solid waste or designated solid waste from the point of generation to a central collection or storage point; a designated facility or disposal site; and removing the same solid waste or designated solid waste from a central collection or storage point to a disposal site or designated facility.

**Commercial collectors** describes a person who performs an activity as a business for profit.

**Construction or demolition**, when used in connection with waste or debris, means solid waste resulting solely from construction, remodeling, repair, or demolition operations on pavements, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.

**County** means the County of Bladen, North Carolina.

**Department** means the county solid waste management department.

**Designated facility** means a solid waste disposal facility serving the county-designated geographic area; and to which it is required by this article that designated solid waste generated within the territorial jurisdiction of the county and placed in the waste stream for disposal be ultimately transported for disposal.

**Designated geographic area** means the geographic area that has been approved and designated as a designated geographic area by the state department of environment, health, and natural resources, or any successor agency, as a specified geographic area, within which all designated solid waste generated and placed in the waste stream for disposal is required to be delivered to a designated facility.

**Designated solid waste** means all solid waste generated in the county area other than unacceptable waste and recovered materials.
Disposal means the placement of waste in a landfill or other repository intended for permanent containment of waste can include incineration.

Disposal of designated solid waste means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any designated solid waste into or on any land so that such designated solid waste or any constituent thereof may not enter the environment or be emitted into the air or discharged into any water, including groundwater.

Habitable structure means a residential structure that has not been condemned by a county building inspector as unsafe or found in violation of the minimum housing code by a county minimum housing inspector.

Inert debris means solid waste which consists solely of material that is virtually inert and that is likely to retain its physical and chemical structure under expected conditions of disposal.

Land-clearing debris means solid waste which is generated solely from land-clearing activities.

Littering means to intentionally or recklessly throw, scatter, spill or place or intentionally or recklessly cause to be blown, scattered, spilled, thrown, placed or otherwise disposed of any litter upon any public property or private property not owned by him within the county.

Noncommercial residential property/premises means any property or premises classified in the tax records of the county as residential and having a single tax parcel identification number (PIN), including, but not limited to, single-family residential lots, group development parcels, apartments, condominiums and mobile home parks, and having less than eight single-family units on or within such property or premises.

Permit means a written document from the county solid waste management department granting permission for the collection, transportation, or disposal of solid waste and/or designated solid waste.

Person means a legal entity, such as a natural individual person, partnership, corporation, or unincorporated association.

Recovered material generators means any entity who generates recovered materials which are thereafter collected, transported, stored, processed, and otherwise recycled or reused by recovered materials recyclers/reusers.

Recovered material recyclers/reusers mean commercial businesses, such as renderers, scrap metal operators, etc., who collect recovered materials from recovered material generators and transport, store, process, or otherwise recycle recovered materials, and/or those commercial businesses who otherwise, in accordance with G.S. 160A-294(a)(5b) or such similar statutory provision within the state statutes, and article V of this chapter, are not prohibited from taking part in those activities as referenced in section 44-84(c), herein.

Recovered materials means those materials that have a known reuse or composting potential, can be feasibly reused or composted, and have been diverted or removed from the solid waste stream for sale, use (other than for energy generation), or reuse by separation, collection, or processing. For all purposes under this chapter, materials herein defined as recovered materials are not considered to be any form of solid waste so long as they are not placed for collection or disposed of at a designated facility.
Recycling means the process by which recovered resources are transformed into new products in such a manner that the original products lose their identity, including their use as raw materials or feedstocks in lieu of, or in addition to, virgin materials in the manufacture of goods sold or distributed in commerce, or the reuse of such as substitutes for goods made from virgin materials.

Resource recovery means the process of obtaining material or energy resources from discarded solid waste or designated solid waste which no longer has any useful life in its present form and preparing such solid waste for recycling.

Resource recovery center means a resource recovery facility available to the public at which reusable solid waste or designated solid waste materials generated off the premises of such facility are collected for resource recovery purposes.

Resource recovery facility means any facility, to include any site, plant, works, system, buildings, structure, improvement machinery, equipment, fixture, or other real or personal property, which is to be used for resource recovery.

Sanitary landfill means a facility for the disposal of solid waste on land in a sanitary manner in accordance with the rules concerning sanitary landfills adopted under article III of this chapter, G.S. 130A-290.

Single-family units means a habitable structure or part thereof designed to house a single family.

Solid waste means all material customarily referred to as garbage and refuse and other discarded material, including solid, semisolid, or containing gaseous material resulting from industrial, commercial, mining, and agricultural operations and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges which are point sources subject to permits under section 402 of the Federal Water Pollution Control Act, as amended; includes, but is not restricted to the following classifications:

(1) Commercial waste. Waste which originates in retail or private sector services, (for example, retail establishments, offices, theaters, restaurants, warehouses, hotels, and motels, and other nonmanufacturing activities).

(2) Compost. A humus-like material resulting from the biological decomposition of organic materials.

(3) Construction and demolition waste. Any waste building materials, packaging, and rubble resulting from construction, remodeling, repair, and demolition operations on pavements, houses, commercial buildings, and other structures.

(4) Garbage. All putrescible wastes, such as food wastes, animal and vegetable matter, animal offal and carcases, and recognizable industrial by-products, but excluding sewage and human wastes.

(5) Hazardous waste.
   a. Any material defined as a hazardous substance pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980; or applicable state laws, rules, regulations, policies, and guidelines promulgated thereunder, as each may be amended from time to time;

   b.
Any waste which, by reason of its composition or characteristics, is a toxic substance or hazardous waste as defined in: (i) the Resource Conservation and Recovery Act, as amended, and related federal, state, and county laws and regulations; or (ii) any future, additional, or substitute state or county laws and regulations pertaining to the identification, treatment, storage, or disposal of toxic substances or hazardous wastes;

c. Any source, specially nuclear or by product materials within the meaning of the Atomic Energy Act of 1954, as amended, and any related regulations;

d. Any low level radioactive waste or any other material posing a threat to the health or safety, including, without limitation, pathological, medical, or biological wastes, septic cesspool or other human wastes, human and animal remains, cleaning fluids, crankcase oils, cutting oils, paints, acids, caustics, poisons, explosives and drugs.

If the governmental agency having appropriate jurisdiction determines any substance that is not, as of the date thereof, considered harmful, toxic, or dangerous is in fact harmful, toxic, or dangerous, then any such substance shall thereafter constitute hazardous waste, as defined herein. If the governmental agency having appropriate jurisdiction, determines that a given substance that is deemed to be a hazardous waste, as of the date thereof, is no longer harmful, toxic, or dangerous, then such substance shall thereafter no longer constitute hazardous waste, as defined herein.

(6) Industrial waste. All non-hazardous solid wastes generated or used by industries and manufacturing facilities. The term "industrial waste" may also include small quantities of wastes generated from cafeterias, offices, or retail sales departments on the same premises.

(7) Industrial solid waste generator. Any person who produces solid waste from an industrial or manufacturing process.

(8) Industrial process waste. Solid waste resulting from an industrial or manufacturing process, which may be disposed of at the county landfill after demonstrating its nonhazardous status through analysis, or by other means. The term "industrial process waste" includes, but is not limited to, sandblast grit, contaminated food products, ash, dust, and etc.

(9) Institutional waste. Material originating from services offered on behalf of the public, i.e., nursing homes, jails, hospitals, schools.

(10) Medical waste. Any solid waste which is generated in the diagnosis, treatment, or immunization of human beings or animals, in research pertaining thereto, or in the production or testing of biological materials, but does not include any hazardous waste identified or listed pursuant to this article, radioactive waste, or household waste as defined in 40 CFR 261.4(b)(1) in effect on July 1, 1989.

(11) Municipal solid waste. Any solid waste resulting from the operation of residential, commercial, industrial, governmental, or institutional establishments that would normally be collected, processed, and disposed of through a public or private solid waste management service. The term "municipal solid waste" does not include hazardous waste, sludge, or solid waste from mining or agricultural operations.

(12) Municipal solid waste management facility. Any publicly or privately owned solid waste management facility permitted by the department that receives municipal solid waste for processing, treatment, or disposal.

(13)
Nonprocessable solid waste. All solid waste and designated solid waste other than hazardous waste, which could impair the operation or capacity of the disposal system or cause potential or actual injury to the county's employees and/or contractors, but which is capable of being disposed of by sanitary landfill, including but without being limited to, furniture, bedding, white goods, metal cable, gypsum board, bricks and blocks, concrete industrial process waste, asphalt materials, liquid wastes including sludge from water or waste water treatment plants, petroleum products, metal (other than containers), tree stumps, logs, brush, pallets, and other scrap wood and construction debris.

(14) Putrescible solid waste. Any solid waste capable of being decomposed by microorganisms with sufficient rapidity as to cause nuisances from odors and gases, such as kitchen wastes, offal, and carcasses.

(15) Radioactive solid waste. Any waste that emits ionizing radiation spontaneously.

(16) Recyclable materials. Solid waste and designated solid waste materials that are lawfully capable of being recycled and are specified as such in pertinent laws and regulations of the United States and this state.

(17) Refuse. All nonputrescible wastes.

(18) Residential waste. Solid waste and designated solid waste originating from private households (private single-family homes and apartments, condominiums, etc., not institutional residential facilities).

(19) Slurry waste. A waste with a high liquid content not easily dewatered.

(20) Special waste. Any type of waste that requires special handling in the county's collection and disposal systems, including tires, used oil, batteries, appliances (white goods), asbestos, and medical wastes.

(21) White goods. Includes inoperative and discarded refrigerators, ranges, water heaters, freezers, and other similar domestic and commercial large appliances, i.e., washers, dryers, dishwashers, kitchen compactors, window unit air conditioners, etc.

(22) Yard trash. Solid waste and designated solid waste consisting solely of vegetative matter resulting from landscape maintenance, e.g., grass, brush, leaves, and nonconstruction natural wood debris.

Solid waste collector means any person, firm, corporation, or other entity engaged, in whole or part, in the collection, transportation, delivery, or disposal of solid waste or designated solid waste generated within the designated geographic area of the county. The term 'solid waste collector' includes any such entity engaged in such activities with respect to solid waste or designated solid waste generated by such entities, as well as any entity engaged in such activities with respect to solid waste or designated solid waste generated by others.

Solid waste director means the county solid waste management department director.

Solid waste disposal facility means any and all facilities now or hereafter designated by the county as part of its system for the disposal of solid waste, including, but not limited to, other volume reduction facilities, sanitary landfills, demolition landfills, resource recovery facilities (including steam production and electrical generating facilities using solid waste as fuel), and regulation of solid wastes. The term “solid waste disposal facility” includes, but is not limited to, a designated facility as defined herein.
Solid waste management facility means any facility, plant, works, system, building structure, equipment, or other real or personal property used in the management of solid waste including, but not limited to, bulk container storage sites, recycling centers not a solid waste management facility, transfer stations, hauling facilities, rail haul or barge facilities, treatment systems, resource recovery facilities, or other facilities for reducing solid waste volume, sanitary landfills, demolition landfills, plants, and facilities for compacting, composting or pyrolyzation of solid wastes, incinerators and other solid waste disposal, reduction or conversion facilities. The term "solid waste management facility" includes, but is not limited to, a designated facility as defined herein.

Unacceptable waste means:

(1) Explosives, hazardous waste, other hazardous chemicals or materials, radioactive materials, motor vehicles, and liquid and semi-liquid wastes, other than such insignificant quantities of the foregoing as are customarily found in normal household and commercial waste and as are permitted by law to be treated and disposed of in facilities not specifically permitted or licensed to treat or dispose of such materials;

(2) Any item either smoldering or on fire;

(3) Noncombustible construction materials and demolition debris, including masonry, brick, stone, structural steel, re-bar, and structural shapes;

(4) All other items of waste which, at the time of delivery to a designated solid waste facility, would normally not be disposed of in a sanitary landfill under applicable federal, state, and local rules and regulations; and

(5) Any other items of waste that are prohibited by any applicable federal, state or local law or rule from being processed in a designated facility.

Waste means material discarded by the generator as no longer useful to the generator.

Waste reduction means decreasing the quantity of materials and/or products that must be disposed.

(Ord. of 2-3-1997, § 1-2)

Sec. 44-3. - Applicability of board of health rules.

The provisions of this chapter are intended and shall be interpreted to be consistent with and supplementary to the rules adopted by the state commission for health services or department of environment, health, and natural resources and by the county board of health pursuant thereto. To ensure such intent and interpretation the rules duly promulgated, from time-to-time, by the county board of health are, by this reference, incorporated into this chapter as though fully set forth herein and shall be enforced in the same manner as other provisions hereof. In the event of any ambiguity between a provision of this chapter, other than this section, and such rules, the stricter of the two provisions shall apply. Any violation of such rules shall be a violation of this chapter.

(Ord. of 2-3-1997, § 1-3)

Sec. 44-4. - Territorial jurisdiction of chapter.

(a)
The provisions of this chapter are applicable to all parts of the county not within a city as defined in G.S. 153A-1(1); provided, that if a city, so defined, has by resolution permitted this chapter or any part thereof, to be applicable within such cities, it shall so apply. Notwithstanding the foregoing, the provisions of this chapter are applicable to property of the county used for governmental purposes and located within a city.

(b) The provisions of this chapter are specifically applicable to all jurisdictions within the county included in the county designated geographic area as approved and designated by the state department of environment, health, and natural resources.

(Ord. of 2-3-1997, § 1-4)

Sec. 44-5. - Conflicts of law.

All matters and activities described and regulated in this article is subject to the restrictions imposed by state and federal laws and regulations. In the event of conflict between the provisions of this article and any state and federal law, the latter shall prevail.

(Ord. of 2-3-1997, § 1-5)

Secs. 44-6—44-20. - Reserved.
ARTICLE II. - STORAGE OF SOLID WASTE

Sec. 44-21. - Storage on premises.
(a) Solid waste, other than hazardous materials and medical waste, generated on or within all premises in urban collection areas may be stored only on or within such premises. Such solid waste shall be stored in receptacles of sufficient capacity to accommodate all solid waste generated on or within the premises by the means and in the manner provided in the rules of the county board of health pertaining to solid waste storage. No solid waste may be stored for a period longer than seven days.
(b) Hazardous materials, scrap tires and medical waste shall be stored as provided in sections 44-23 and 44-24.
(c) On bona fide farms the storage of solid waste, other than hazardous or medical waste, generated on such premises and kept for feeding of livestock or used for composting, soil enhancement or erosion control shall not be subject to such storage rules.
(d) Designated recyclable materials shall be segregated from other solid waste by the generator thereof prior to setting the solid waste out for collection or transporting the same to a collection facility.
(Ord. of 2-3-1997, § 1-21)

Sec. 44-22. - Unlawfully storage constitutes littering.
(a) Except as may be otherwise allowed by this chapter or other state or federal laws and regulations, the placing of solid waste on premises other than premises on or within which such solid waste was generated shall constitute littering or illegal disposal and shall be a violation of this chapter.
(b) The placing by an owner or occupant of premises subject to this chapter of pine or grain straw, tree bark, wood chips or shavings, compost or similar material on such persons' premises for mulching, landscaping or soil enhancement purposes shall not constitute illegal storage, illegal dumping or littering.
(Ord. of 2-3-1997, § 1-22)

Sec. 44-23. - Hazardous materials and medical waste.
(a) Notwithstanding any provision herein, hazardous materials and medical waste shall be stored only in accordance with laws and regulations of the United States and this state and the rules of the county health department and the violation of the same shall be a violation of this chapter.
(b) Consumers shall store hazardous materials and medical waste on their premises in accordance with the manufacturer's instructions.

(Ord. of 2-3-1997, § 1-23)

Sec. 44-24. - Scrap tires.

Scrap tires shall be stored in accordance with the laws and regulations of the United States and this state and the rules of the county solid waste department and the violation of the same shall be a violation of this chapter.

(Ord. of 2-3-1997, § 1-24)

ARTICLE III. - COLLECTION OF SOLID WASTE

Sec. 44-40. - Authorized collection services.
Sec. 44-41. - County solid waste collection facilities.
Sec. 44-42. - Limitations on use.
Sec. 44-43. - Commercial use of collection facilities.
Sec. 44-44. - Facility attendants.
Sec. 44-45. - Transporting of solid waste.
Sec. 44-46. - Commercial solid waste collection.
Sec. 44-47. - Owner or occupant solid waste collection.
Sec. 44-48. - Restrictions on collection services.
Sec. 44-49. - Collection of designated recyclable materials.
Sec. 44-50. - Commingling of certain solid wastes prohibited.
Sec. 44-51. - Transporting of collected solid waste.
Sec. 44-52. - Disposing of collected solid waste and designated solid waste.
Sec. 44-53. - Collection of hazardous materials and medical waste.
Sec. 44-54. - Collection of scrap tires.
Sec. 44-55. - Collection facility user fee.
Sec. 44-56. - Regulation of collection services.
Secs. 44-57-44-71. - Reserved.

Sec. 44-40. - Authorized collection services.

Only the solid waste collection services and facilities hereinafter specified are authorized
to be provided and used for the collection of solid waste generated on or within premises subject
to this article. The provision or use of collection services not authorized herein is a violation of
this chapter. This article is applicable to the collection of designated solid waste.

(Ord. of 2-3-1997, § 1-31)

Sec. 44-41. - County solid waste collection facilities.

The county shall establish and maintain solid waste container collection facilities, or shall
contract or provide for collection services within the territorial jurisdiction of this article. The use of
these facilities or services shall be governed by the provisions in the following sections.

(Ord. of 2-3-1997, § 1-32)

Sec. 44-42. - Limitations on use.

The use of county solid waste collection facilities shall be limited to the collection of solid
waste and designated solid waste, generated on or within noncommercial residential premises
located within the territorial jurisdiction of this article, and transported to such facilities in
individual loads not to exceed four cubic yards in volume. Designated recyclable materials shall
be accepted for resource recovery purposes as provided in article V of this chapter.
Sec. 44-43. - Commercial use of collection facilities.

Commercial solid waste collectors, generators of commercial waste, industrial solid waste generators, any person deriving a profit from commercial/residential premises or occupants of commercial residential premises shall not use county solid waste collection facilities.

(Ord. of 2-3-1997, § 1-32.1)

Sec. 44-44. - Facility attendants.

The sites of such collection facilities may be attended by employees or agents of the county when open. Such attendants shall refuse to accept and allow the unloading of solid waste which fails to comply with provisions of this chapter or with rules duly promulgated by the department. No solid waste may be unloaded or otherwise placed in a collection facility unless it is approved for designated solid waste for that facility acceptance; a violation of such provision is a violation of this chapter.

(Ord. of 2-3-1997, § 1-32.2)

Sec. 44-45. - Transporting of solid waste.

Users of the collection facilities shall transport solid waste to the facility in a manner that prevents any solid waste from leaving the vehicle in which it is being transported. Failure to contain solid waste on the vehicle is a violation of this chapter if solid waste leaves the vehicle and goes upon premises other than that of the user or proper containers of the collection facility.

(Ord. of 2-3-1997, § 1-32.3)

Sec. 44-46. - Commercial solid waste collection.

Any person owning or occupying premises within the territorial jurisdiction of this article may contract for the collection of solid waste generated on or within such persons' premises with any commercial solid waste collector that has been issued a permit for such activity by the county solid waste department and authorized as provided herein to dispose of solid waste in a county solid waste disposal facility or an authorized private solid waste disposal facility.

(Ord. of 2-3-1997, § 1-32.4)

Sec. 44-47. - Owner or occupant solid waste collection.

Owners and occupants of premises generating solid waste subject to this chapter may provide their own collection services as follows:

(1) The owner or occupant of premises within the territorial jurisdiction of this article may collect solid waste generated on such persons' own premises in amounts not to exceed four cubic yards per load and transport the same to a designated county or private solid waste disposal facility. Such collection is not subject to permit requirements or other restrictions to which commercial solid waste collectors are subject, provided that such solid waste is transported by a means and in a manner...
so that solid waste does not leave the transporting vehicle; a violation of such provision is a violation of this chapter.

(2) Any person owning or occupying premises within the territorial jurisdiction of this article, may collect solid waste generated on such persons' premises in an amount greater than four cubic yards, provided such person has been issued a permit for such collection by the county solid waste department and is authorized as provided herein to dispose of the solid waste in a county solid waste disposal facility or an authorized private solid waste disposal facility. Such collection shall be subject to the same conditions and restrictions imposed in this article upon commercial collectors.

(Ord. of 2-3-1997, § 1-34)

Sec. 44-48. - Restrictions on collection services.

All collection services provided by any person providing services in accordance with the provisions of this article shall be subject to the conditions as restrictions set forth in this article. A violation of any such condition or restriction is a violation of this chapter.

(Ord. of 2-3-1997, § 1-35)

Sec. 44-49. - Collection of designated recyclable materials.

All commercial solid waste collectors and owners and occupants of premises within the territorial jurisdiction of this article providing their own collection services shall also provide for the collection of recyclable materials designated in article V of this chapter for resource recovery.

(Ord. of 2-3-1997, § 1-35.1)

Sec. 44-50. - Commingling of certain solid wastes prohibited.

(a) Solid waste collected from premises other than noncommercial residential premises within the territorial jurisdiction of this article or article IV of this chapter hereof shall not be commingled in an individual vehicle load with solid waste collected from noncommercial residential premises within such jurisdiction. Vehicles of collectors carrying solid waste collected from premises other than noncommercial residential premises shall be clearly identified as such. Any vehicles carrying hazardous or medical solid waste shall be identified as such and shall be operated in accordance with pertinent state and federal laws and regulations.

(b) Solid waste collected from premises within the territorial jurisdiction of this article or article IV of this chapter shall not be commingled in an individual vehicle load with recyclable materials designed pursuant to article V of this chapter, unless approved by the county solid waste department.

(Ord. of 2-3-1997, § 1-35.2)

Sec. 44-51. - Transporting of collected solid waste.

All solid waste collectors collecting in the county shall transport solid waste in accordance with applicable rules of the county solid waste department and this chapter and with pertinent state and federal laws and regulations and, notwithstanding such rules, laws and regulations, in a manner that prevents any solid waste from leaving the vehicle in which it is being transported.
Sec. 44-52. - Disposing of collected solid waste and designated solid waste.

All persons shall dispose of designated solid waste in the designated facility in accordance with the provisions of this chapter and the rules of the department. All solid waste collectors subject to this article shall dispose of solid waste in the course of their operations only in accordance with the provisions of this chapter and the rules of the department governing the operation of county landfills, and facilities.

Sec. 44-53. - Collection of hazardous materials and medical waste.

(a) Hazardous materials and medical waste shall be collected in accordance with the laws and regulations of the United States and this state and the rules of the county health department. Consistent with such laws, regulations and rules, the solid waste director shall promulgate rules governing the collection of hazardous materials and medical waste generated on premises subject to this article.

(b) Hazardous materials and medical waste shall not be mixed with other solid waste collected pursuant to this article.

Sec. 44-54. - Collection of scrap tires.

(a) Scrap tires shall be collected in accordance with the laws and regulations of the United States and this state. Consistent with such laws and regulations, the solid waste director shall promulgate rules governing the collection of scrap tires generated on premises subject to this article.

(b) Scrap tires shall not be mixed with other solid waste or designated solid waste collected pursuant to this article.

Sec. 44-55. - Collection facility user fee.

An annual fee, denominated a collection facility user fee, may be charged to defray, wholly or in part, the capital and operating costs of providing solid waste and designated solid waste collection facilities and services for the use of the owners or occupants of each single-family residential unit of noncommercial residential premises within the territorial jurisdiction of this chapter. The fee shall be imposed upon the owners of such units as provided by and in the amount set forth in the annual schedule of solid waste management fees adopted by the board of county commissioners. If imposed, such fee shall be charged and collected as follows:

1. The county assessor shall determine from the tax records of the county the names and addresses of the owners, as of July 1 of each year, of each separate parcel of noncommercial residential property wholly or partly in an urban collection area and the number of habitable single-family residential units subject to the fee on or within such property. Such information shall be provided to the county tax collector for billing and collection of the fee.

2. [Further details]

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ARTICLE III. - COLLECTION OF SOLID WASTE

The county tax collector shall multiply the number of habitable single-family units subject to the fee in each such tax parcel of noncommercial residential property by the amount of fee chargeable to each unit therein and include such total amounts on the annual bill sent such owners for property taxes levied on such parcel. The fee shall be due upon receipt of the bill and payable without interest if paid before January 6 next following such receipt. Fees shall be paid in the manner provided in G.S. 105-357, 105-358, and 105-359.

(3) Fees for each fiscal year paid on or after January 6 of the year is delinquent and are subject to interest as set forth in G.S. 105-360.

(4) A lien securing payment of fees charged against a parcel of noncommercial residential property shall attach to the parcel on July 1 of each fiscal year. In the event of nonpayment of the fees after they are delinquent, the tax collector may enforce the lien in the manner for foreclosure for unpaid ad valorem property taxes set forth in G.S. 105-374 and 105-375.

(5) The tax collector shall pay over and account to the county for fees collected hereunder in accordance with rules promulgated by the county finance director.

(Ord. of 2-3-1997, § 1-36)

Sec. 44-56. - Regulation of collection services.

(a) The solid waste director is authorized to promulgate rules regulating the provision of collection services within the territorial jurisdiction of this article and the use of the county solid waste collection facilities in the rural collection area, provided that such rules shall be consistent with the provisions of this chapter and state and federal laws and regulations pertaining to solid waste collection and disposal services and facilities. Such rules and any amendments thereof shall be reviewed and approved by the board of county commissioners prior to becoming effective.

(b) Such rules shall be displayed prominently at each solid waste management facility and a written set thereof shall be provided to every solid waste collector holding a department of solid waste permit and, upon request, to any user of such services or facilities. A violation of any rule promulgated in accordance with this section is a violation of this chapter.

(Ord. of 2-3-1997, § 1-37)

Secs. 44-57—44-71. - Reserved.
ARTICLE IV. - DISPOSAL OF SOLID WASTE

Sec. 44-72. - Solid waste disposal facilities.
Sec. 44-73. - Authorized use of solid waste disposal facilities.
Sec. 44-74. - Permit and identification required.
Sec. 44-75. - Unauthorized entry prohibited.
Sec. 44-76. - Regulations of solid waste collection and disposal facilities.
Sec. 44-77. - Disposal of designated recyclable materials.
Sec. 44-78. - Scrap tire disposal.
Sec. 44-79. - Disposal of hazardous materials and medical waste.
Sec. 44-80. - Disposal facility user fees.
Sec. 44-81. - Disposal facility household user fee.
Sec. 44-82. - Disposal facility collectors' user fee.
Sec. 44-83. - Private solid waste disposal sites.
Sec. 44-84. - Designation of facilities for disposal of designated solid waste.
Sec. 44-85. - Exception to exclusivity requirements.
Secs. 44-86—44-100. - Reserved.

Sec. 44-72. - Solid waste disposal facilities.

(a) The county shall establish, operate, or contract for the construction, operation, and maintenance thereof, of solid waste disposal facilities and facilities for the disposal of designated solid waste. Said facilities may include, but shall not be limited to, a sanitary landfill, a county demolition landfill and a designated facility for designated solid waste. These facilities shall exist at locations determined by the board of county commissioners. The facilities shall be operated and maintained by and under the direction and supervision of the director of the solid waste management department, or any party so designated, pursuant to a contract between said party and the county. In any event, the disposal facilities shall be maintained and operated in accordance with all applicable federal, state, and local laws, rules and regulations.

(b) The provisions of this article shall be and are applicable to solid waste, designated solid waste, and the county landfill, the county demolition landfill, and any designated facility, notwithstanding the inclusion or exclusion of one or any of the above in any recital of applicability.

(Ord. of 2-3-1997, § 1-41)

Sec. 44-73. - Authorized use of solid waste disposal facilities.

Use of the designated facilities for the disposal of solid waste and/or designated solid waste shall be restricted to the following categories of solid waste collectors:

(1) Private commercial solid waste collectors serving residential, commercial, industrial, and professional premises in the county.
(2) Municipal solid waste collectors serving municipalities in the county.
(3)
Owners and occupants of other than noncommercial residential premises in the county providing their own collection service. This category does not include those persons specified in subsection (4) of this section.

(4) Natural persons occupying residential premises in the county collecting their own household solid waste and designated solid waste in amounts not to exceed four cubic yards per load.

(5) County employees transporting county solid waste container collection.

(6) Generators of scrap tires in the county not included in any of the categories in this section.

(Ord. of 2-3-1997, § 1-41.1)

Sec. 44-74. - Permit and identification required.

(a) Collectors specified in section 44-73, other than those specified in section 44-73(4), shall not be allowed to enter and use the county facilities unless they have obtained and display a solid waste collector's permit from the county solid waste department and have registered such permits with the department. Vehicles operating under the terms of such permits shall display the name of the permit holder and the number and other symbol identifying the permit pursuant to which the vehicle is being operated.

(b) Collectors specified in section 44-73(4) shall not be allowed to enter and use the county facilities unless they show photographic identification indicating residency in an area of the county subject to this article.

(Ord. of 2-3-1997, § 1-41.2)

Sec. 44-75. - Unauthorized entry prohibited.

Entry of any person into or upon county property denominated as the county solid waste facilities, the designated facility or the county demolition landfill, other than county officials and employees on official solid waste management business, authorized users of the respective landfills as set forth in section 44-73 for the purposes specified, or such other persons who have been authorized in writing by the solid waste director for the purposes set forth in such writing, is prohibited and constitutes a violation of this chapter.

(Ord. of 2-3-1997, § 1-41.3)

Sec. 44-76. - Regulations of solid waste collection and disposal facilities.

The solid waste director is authorized to promulgate the county rules regulating the use of county solid waste and designated solid waste collection and disposal facilities, consistent with the provisions of this chapter and state and federal laws and regulations pertaining to solid waste disposal facilities. Such rules and any amendments thereof shall be reviewed and approved by the board of county commissioners prior to becoming effective. Such rule shall be displayed prominently at the respective facilities and a written set thereof shall be provided to any user of the facilities upon request. A violation of any rules promulgated in accordance with this section is a violation of this chapter. Such rules shall include, but not be limited to, the following:

(1) Operating hours;
(2) Acceptable and prohibited materials;
(3) Traffic control, rules of the road, other safety rules;
(4) Weighing and offloading procedures;
(5) Vehicle and user identification procedures;
(6) Recycling requirements and procedures;
(7) Disposal fee collection procedures;
(8) Flow control regulations.

(Ord. of 2-3-1997, § 1-42)

Sec. 44-77. - Disposal of designated recyclable materials.

(a) The burial or other permanent disposal of recyclable materials designated pursuant to article V of this chapter in any county or authorized private solid waste disposal facility or designated facility within the territorial jurisdiction of this article is prohibited.

(b) Designated recyclable materials may be accepted by county solid waste disposal facilities and at designated facilities for resource recovery purposes only in accordance with the provisions of article V of this chapter.

(Ord. of 2-3-1997, § 1-43)

Sec. 44-78. - Scrap tire disposal.

(a) All persons subject to this chapter shall dispose of scrap tires in accordance with laws and regulations of the United States and this state and the rules of the department and the violation of the same shall be a violation of this chapter.

(b) The burial or other permanent disposal of scrap tires at the county land clearing inert debris landfill and the county demolition landfill is prohibited. Scrap tires shall be accepted only at the county transfer facility or approved collection centers for temporary storage and resource recovery processing or permanent disposal elsewhere.

(Ord. of 2-3-1997, § 1-44)

Sec. 44-79. - Disposal of hazardous materials and medical waste.

(a) All persons subject to this chapter shall dispose of hazardous materials and medical waste in accordance with laws and regulations of the United States and this state and the rules of the department and the violation of the same shall be a violation of this chapter.

(b) Hazardous materials and medical waste, including loads containing such materials and waste mixed with other solid waste, shall not be deposited at any county landfill for disposal or any other purpose. Failure to identify loads of solid waste containing hazardous materials and medical waste to county facility officials shall be a violation of this chapter.

(Ord. of 2-3-1997, § 1-45)

Sec. 44-80. - Disposal facility user fees.

Solid waste and designated solid waste user fees of the kind set forth in the sections 44-81 and 44-82 are authorized to defray the capital and operating costs, wholly or in part, of providing county solid waste disposal facilities and services required by this article. The kind of fees imposed and the amount of thereof shall be determined annually by the board of county commissioners and set forth in a schedule of disposal fees which shall be adopted as a part of the annual budget.
Sec. 44-81. - Disposal facility household user fee.

An annual fee, denominated a disposal facility household user fee, shall be charged to defray, wholly or in part, the capital and operating costs of providing solid waste disposal facilities, designated facilities, and services for the use of the owners or occupants of each single-family residential unit of noncommercial residential premises subject to this article. The fee shall be imposed upon the owners of such units in the amount set forth in the annual schedule of solid waste management fees and shall be charged and collected as follows:

(1) The county assessor shall determine from the tax records of the county names and addresses of the owners, as of July 1 of each year, of each separate parcel of noncommercial residential property and the number of habitable single-family residential units subject to the fee on or within such property. Such information shall be provided to the county tax collector for billing and collection of the fee.

(2) The county tax collector shall determine the amount of the designated facility household user fee due from each owner and the fee shall be payable, collected and accounted for in the same manner as provided in subsections 44-55(2) through (5).

(Ord. of 2-3-1997, § 1-46.1)

Sec. 44-82. - Disposal facility collectors' user fee.

A disposal fee, denominated a disposal facility collector's user fee and more commonly referred to as a tipping fee, shall be charged to each solid waste collector for each ton or fraction thereof of nonexempt solid waste and designated solid waste deposited at the county transfer facility. The amount of the fee shall be as set forth in the annual schedule of solid waste management fees. This fee is charged for the cost of the availability of such facilities for the use of collectors who collect solid waste and designated solid waste generated on premises other than those of owners who pay the annual household user fee. This fee shall be charged and collected as follows:

(1) The fee shall be charged to the holder of a county solid waste department permit registered with the department or, in the case of a collector not required to have a permit, to the person in whose name the vehicle carrying solid waste or designated solid waste is registered with the state department of motor vehicles. Such fee shall also be charged to collectors identified in section 44-73(4) disposing of solid waste or designated solid waste generated on or within premises not subject to the household disposal fee.

(2) A fee shall be charged for each nonexempt ton, or fraction thereof, of solid waste deposited at either of the landfills or designated facilities. A load composed solely of solid waste or designated solid waste generated on noncommercial residential premises, the owners of which pay the annual disposal facility household user fee, shall be exempt from the collector's fee. A load composed of such solid waste, and solid waste or designated solid waste from other sources, shall be charged as though totally nonexempt.

(3) Except as otherwise provided in this section, the fee shall be payable upon entry of the collector with a vehicle load of solid waste or designated solid waste into the
transfer facility premises and shall be paid in cash to the attendant designated by the solid waste director to receive such payment. Checks and drafts may be accepted from collectors who have received prior written approval from the solid waste director, who shall promulgate rules governing such method of payment. Such rules may include a provision for imposing a service charge on returned checks subject to any limitations required by law.

(4) Collectors holding a permit from the county solid waste department and registered with the department may, with approval of the solid waste director, establish a credit account to which fees hereunder may be charged. The solid waste director shall promulgate rules governing the payment of amounts due on accounts.

(5) The solid waste director shall pay over and account to the county for fees collected hereunder in accordance with rules promulgated by the county finance director.

(Ord. of 2-3-1997, § 1-46.2)

Sec. 44-83. - Private solid waste disposal sites.

(a) No person shall establish a private solid waste disposal site in the county unless such person has obtained authority from the state following approval by the county board of commissioners.

(b) Applications for such approval, identifying the proposed location and function of the site, shall be submitted in writing to the solid waste management department, which shall review the application in coordination with other appropriate departments of the county and submit recommendations for approval or disapproval to the board of commissioners.

(c) Such private solid waste disposal sites shall be subject to the provisions of this chapter and rules promulgated by the solid waste director specifically applicable to such sites.

(Ord. of 2-3-1997, § 1-47)

Sec. 44-84. - Designation of facilities for disposal of designated solid waste.

(a) Pursuant to the authority delegated to it within the county designated geographic area by the state department of environment, health, and designated facility for the disposal of all designated solid waste collected within the designated geographic area. The county may designate one or more additional designated facilities for the disposal of designated solid waste, in the event that the designated facility contract with the county is terminated or if the designated facility contractor informs the county that its facility lacks the capacity to process all of the county's designated solid waste.

(b) Except as otherwise expressly provided herein or by the department, all designated solid waste generated within the county designated geographic area and placed into the waste stream for disposal shall be delivered to an appropriate county solid waste collection facility for subsequent transportation and disposal exclusively at the designated facility, unless an unplanned outage at the designated facility requires that such designated solid waste to be transported elsewhere.

(c) In accordance with G.S. 130A-294(a)(5b) and article V of this chapter, nothing in this article shall be construed to:

1. Prohibit the separation of materials from solid waste at their source prior to the collection of such solid waste for disposal;
2. To prohibit collectors of solid waste from recycling materials; or
3. To limit access to such materials as an incident to collection of such solid waste; or
(4) To prohibit an owner of recyclable materials from selling, donating or otherwise conveying ownership of those materials.

(Ord. of 2-3-1997, § 1-49)

Sec. 44-85. - Exception to exclusivity requirements.

(a) In compliance with the commerce clause of the United States Constitution, any person who desires to dispose of or transport designated solid waste to a site or a facility located outside of the state shall submit an affidavit to the county manager of the county giving notice of the person's desire to dispose of or transport designated solid waste to a site or facility located outside of the state and the name and location of the said facility to which such person desires to dispose of or transfer the designated solid waste.

(b) Upon receipt of the affidavit by the county manager, such person shall automatically be exempt from the requirements of this article. In the event that any person so exempt no longer disposes of such person's designated solid waste at the site or the facility names in the affidavit, such person shall thereafter become subject to the requirements of this article unless and until another affidavit from such person fulfilling the requirements of this section is received by the county manager.

(Ord. of 2-3-1997, § 1-49)

Secs. 44-86—44-100. - Reserved.

FOOTNOTE(S):

(20) Statute Law reference—Authority of the county to operate its own solid waste collection and disposal systems and facilities, G.S. 153A-274 et seq.; solid waste management, 15A N.C. Admin. Code 13B.0101 et seq. (Back)
ARTICLE V. - RESOURCE RECOVERY AND RECYCLING

Sec. 44-101. - Policy.

It is the goal of the board of county commissioners to reduce the quantity of solid waste disposed of in or through county solid waste management facilities by the year ending June 30, 2001, by a minimum of 40 percent. The policy of the board is to achieve this goal by resource recovery and recycling programs as provided in this article.

(Ord. of 2-3-1997, § 1-51)

Sec. 44-102. - Resource recovery and recycling mandatory.

All persons generating solid waste in or upon premises within the territorial jurisdiction of this article, all persons collecting solid waste within the jurisdiction, and all solid waste disposal facilities shall recover and process recyclable materials designated in this article as herein provided. The willful failure to recover and process such materials as herein provided is a violation of this chapter. The provisions of this article shall apply in their entirety to designated solid waste and to designated facilities.

(Ord. of 2-3-1997, § 1-52)

Sec. 44-103. - Resource recovery and processing—On premises.

All persons generating solid waste in or upon premises within the territorial jurisdiction of this chapter shall recover designated recyclable materials by segregating them from other solid waste in accordance with section 44-105 and shall process such materials by either setting them out in a segregated manner for collection by an authorized commercial solid waste collector or transporting the same in a segregated manner to a county or private resource recovery center authorized by this article.

(Ord. of 2-3-1997, § 1-52.1)
Sec. 44-104. - Same—By collectors.

(a) All collectors, other than county container collection facilities, serving premises within the territorial jurisdiction of this chapter and authorized to use the county solid waste disposal facilities shall provide resource recovery and processing services to such premises as a condition of the privilege of using such disposal facilities. Recovery services shall consist of collecting designated recyclable materials set out for such collection as provided in section 44-103. Processing services shall consist of preparation of the collected recyclable materials and delivery to a market or production facility purchasing or using such materials or of the delivery in a segregated manner to a county or authorized private resource recovery center which will accept the materials so delivered.

(b) The county at county container collection facilities shall provide resource recovery and processing services to all single-family units of noncommercial residential premises within the territorial jurisdiction of this chapter by operating county resource recovery centers pursuant to the provisions of this article. Such services shall consist of accepting segregated and delivering such materials to a market or production facility purchasing or using such materials.

(Ord. of 2-3-1997, § 1-52.2)

Sec. 44-105. - Same—By solid waste disposal facilities.

(a) County solid waste disposal facilities shall provide resource processing services for designated recyclable materials received. Such services shall consist of delivering such materials to a market or production facility purchasing or using such materials.

(b) County solid waste disposal facilities shall provide resource recovery and processing services for loads of solid waste delivered to a county solid waste disposal facility in which designated recyclable materials are commingled. Such services shall consist of separating designated recyclable materials from the other solid waste, segregating such materials by designated type, and preparing and delivering such materials to a market or production facility purchasing or using such materials. Such services shall be subject to resource recovery and processing fees as provided in this article.

(c) County solid waste disposal facilities may, in accordance with rules promulgated, from time-to-time, by the solid waste director, accept one or more of the types of designated recyclable materials collected by collectors serving premises within the territorial jurisdiction of this chapter or recovered by private resource recovery centers and provide the same processing services provided for materials recovered at county resource recovery centers. Such services shall be subject to resource recovery and processing fees as provided in this article.

(Ord. of 2-3-1997, § 1-52.3)

Sec. 44-106. - County resource recovery centers.

(a) Each county solid waste collection facility is designated as a resource recovery center. Use of resource recovery centers is limited to persons authorized to use a county solid waste collection facility.

(b) The solid waste director shall promulgate rules governing the operating of resource recovery centers. A violation of such rules is a violation of this chapter.

(Ord. of 2-3-1997, § 1-53)
Sec. 44-107. - Resource recovery franchises.

The board of county commissioners may grant franchises to commercial resource recovery operators to operate county resource recovery centers or process designated recyclable materials at county solid waste disposal facilities.

(Ord. of 2-3-1997, § 1-54)

Sec. 44-108. - Private resource recovery centers.

Any person, including authorized private solid waste disposal facilities, may establish and operate a private resource recovery center within the territorial jurisdiction of this chapter for the purpose of recovering recyclable materials generated on premises within such jurisdiction. The solid waste director shall promulgate rules governing the establishment and operation of such centers.

(Ord. of 2-3-1997, § 1-55)

Sec. 44-109. - Designation of recyclable materials.

The solid waste director, in accordance with rules and regulations of the state, may, from time-to-time, designate certain items as special recyclable materials. Such materials shall be subject to mandatory resource recovery and recycling provisions affecting the storage, recovery and disposal thereof as more specifically provided in this article.

(Ord. of 2-3-1997, § 1-56)

Sec. 44-110. - Resource recovery and recycling statistics.

(a) The department shall maintain annual statistics showing the nature and amounts of recyclable materials diverted from the waste stream generated in the county into a resource recovery and recycling process. All authorized solid waste collectors and private resource recovery centers shall provide such statistics to the department upon request. Such statistics shall be treated upon request of the enterprise as privileged, proprietary information in the same manner as the listing for ad valorem tax purposes of business personal property, and shall not be made available to the public.

(b) Commercial and industrial enterprises conducting internal resource recovery and recycling operations not subject to this article shall be requested to provide such statistics and, if provided, such statistics shall be treated upon request of the enterprise as privileged proprietary information in the same manner as the listing for ad valorem tax purposes of business personal property and shall not be made available to the public.

(Ord. of 2-3-1997, § 1-57)

Sec. 44-111. - Resource recovery fees generally.

Resource recovery fees of the kind set forth in the following section are authorized in order to defray the capital and operating costs, wholly or in part, of providing county resource recovery services required by this article. The kind of fees imposed and the amount thereof shall be determined annually by the board of county commissioners and set forth in a schedule of resource recovery fees, which shall be adopted as a part of the annual budget.

(Ord. of 2-3-1997, § 1-58)
Sec. 44-112. - Resource recovery and processing fee.

An annual fee, denominated a resource recovery and processing fee, may be charged to defray, wholly or in part, the capital and operating costs of providing resource recovery and processing services at county solid waste disposal facilities as set forth in this article. The fee may be imposed upon collectors other than county solid waste collection facilities and upon private resource recovery centers delivering solid waste to county solid waste disposal facilities in which designated recyclable materials commingled or delivering segregated designated recyclable materials which is acceptable pursuant to rules promulgated by the solid waste director. Such fee shall be imposed in the amount set forth in the annual schedule of solid waste fees adopted by the board of county commissioners. If imposed, such fee shall be charged and collected as follows:

(1) The fee shall be charged to the holder of a county board of health permit registered with the department or, in the case of a collector or private resource recovery center not required to have a permit, to the person in whose name the vehicle carrying the commingled or segregated recyclable materials is registered with the state department of motor vehicles.

(2) A fee shall be charged for each ton, or fraction thereof, of solid waste in which designated recyclable materials is commingled and for each ton of acceptable designated recyclable materials deposited at a county solid waste disposal facility.

(Ord. of 2-3-1997, § 1-58.1)

Secs. 44-113---44-127. - Reserved.
ARTICLE VI. - ILLEGAL STORAGE, COLLECTION AND DISPOSAL OF SOLID WASTE

Sec. 44-128. - Prohibited.
The storage, collection and disposal of solid waste within the area of jurisdiction of this chapter in a manner not permitted by this chapter are prohibited. A violation of this section shall subject the offender to criminal prosecution, assessment of a civil penalty or other legal action as more particularly set forth in article VII of this chapter.

(Ord. of 2-3-1997, § 1-59)

Sec. 44-129. - Littering prohibited.
Littering, as defined herein, within the area of jurisdiction of this chapter is prohibited. A violation of this section shall subject the offender to criminal prosecution, assessment of a civil penalty or other legal action as more particularly set forth in article VII of this chapter.

(Ord. of 2-3-1997, § 1-60)

Sec. 44-130. - Illegal solid waste disposal sites.

(a) No person shall place or solicit or knowingly permit the placing of solid waste on property which such person owns or leases, unless such solid waste is generated on such premises and stored as provided in this chapter or unless such property has been approved as a solid waste disposal site pursuant to this chapter or the laws and regulations of the state. A violation of this section shall subject the offender to criminal prosecution, assessment of a civil penalty or other legal action as more particularly set forth in article VII of this chapter.

(b) Pursuant to the provisions of G.S. 153A-140, the unlawful storage, accumulation or presence of solid waste on public or private property in the area of jurisdiction of this chapter in an amount exceeding 50 pounds or 100 cubic feet are hereby ordained and declared, subject to the limitations set forth in G.S. 106-701, to be a public nuisance. Such public nuisances shall be abated as provided in article VII of this chapter.

(Ord. of 2-3-1997, § 1-61)

Sec. 44-131. - Littering and unauthorized dumping at solid waste disposal facilities.

(a)
It shall be unlawful for any person to litter at a solid waste disposal facility. It shall be unlawful for any person to dump solid waste at a solid waste disposal facility except in designated containers. All costs incurred by the county shall be recoverable from the person who littered or dumped in violation of this article and from the person who generated said litter or unauthorized material.

(b) If any solid waste disposed of in violation of this article can be identified as having last belonged to, been in the possession of, sent to or received by or to have been the property of any person prior to being disposed of, such identification shall be presumed to be prime facie evidence that such person disposed of or caused to be disposed of such solid waste in violation of this article.

(c) It shall be unlawful for noncounty residents to dispose of waste at the county solid waste disposal facilities.

(Ord. of 2-3-1997, § 1-52)

Secs. 44-132—44-146. - Reserved.
ARTICLE VII. - ADMINISTRATION AND ENFORCEMENT

Sec. 44-147. - Responsibility for administration.

A department of solid waste management is hereby established. The department shall be responsible for the administration and enforcement of the provision of this chapter.

(Ord. of 2-3-1997, § 1-71)

Sec. 44-148. - Applicability of the article to designated solid waste and designated facilities.

The provisions of this article shall apply in their entirety to designated solid waste, the disposal of designated solid waste, and designated facilities.

(Ord. of 2-3-1997, § 1-71.1)

Sec. 44-149. - Civil penalty citations.

(a) A violation of this chapter shall subject the offender to the assessment of a civil penalty in an amount set forth in the schedule of civil penalties to be adopted, from time-to-time, by the county board of commissioners. Penalties assessed shall be recovered by the county in a civil action in the nature of debt if the offender does not pay the civil penalty within 30 days after the offender has been cited for the violation. Each day's continuing violation shall constitute a separate offense for the purpose of assessing a civil penalty.

(b) The solid waste director may designate or contract with one or more persons as enforcement and inspection's officers. Such inspectors are authorized as public officials to investigate violations of this chapter and, upon a determination that a violation has occurred, issue civil penalty citations. The director of solid waste management shall promulgate written procedures for investigating violations, issuing citations and collecting penalties. The solid waste director may also use the sheriff's department or authorized investigator for enforcement and investigation of violations and enforcement of this article.

(c) It is the intent of this article that each person is responsible for the proper management of his own waste and is responsible for all acts involving vehicles and equipment owned by him. The owner of a vehicle shall be responsible for dumping, littering and other violations in which his vehicle is used. The addressee of first class mail shall be responsible for the
proper management of the paper associated with that mail when it becomes waste. The presence of first class mail in waste material shall be prima facie evidence that the addressee owns that waste. Violators may be allowed to perform clean up work in lieu of a prosecution and/or civil penalties.

(Ord. of 2-3-1997, § 1-72)

Sec. 44-150. - Abatement of public nuisances.

(a) Upon reasonable cause to believe that a public nuisance, as defined in article VI of this chapter, exists, the director of solid waste management or his designee, upon not less than ten days' notice to the occupant and owner of the property on which the alleged nuisance is located, shall hold a hearing to determine whether or not such nuisances do, in fact, exist. If the hearing officer makes a determination that a public nuisance exists, he shall enter and serve upon the owner and occupant an order to remove, abate, or remedy the nuisance within a reasonable period of time, but not less than ten days. Such order may be appealed by the owner or occupant to the county superior court by a petition for review filed with the court not later than ten days following service of the order. Such an appeal tolls the running of the time provided to remove, abate or remedy the nuisance, unless the court determines that the appeal was made frivolously as provided in Rule 11 of the Rules of Civil Procedure.

(b) Upon failure of the owner or occupant of the property or of the person responsible for placing such solid waste on the property to remove, abate or remedy the nuisance within the period the hearing officer has allowed, the director of solid waste management shall remove, abate or remedy the nuisance as provided in the order and charge the cost thereof to the owner and occupant. If such expense is not paid by the owner or occupant, it shall be a lien upon the land or premises where the nuisance arose and shall be collected as unpaid taxes.

(Ord. of 2-3-1997, § 1-74)

Sec. 44-151. - Other remedies.

This chapter may be enforced by any other remedy at law or equity which the county is authorized to pursue, to include injunctive relief. The civil penalties, criminal prosecution, and other remedies provided in this chapter are cumulative and not exclusive, and may be independently and separately pursued against the same person for the activity constituting a violation of this chapter. The enforcement of any remedy provided herein shall not prevent the enforcement of any other remedy or remedies in other provisions of this Code or other laws and regulations.

(Ord. of 2-3-1997, § 1-75)

Sec. 44-152. - Litter wardens.

The department is authorized to encourage and support a volunteer citizen's program providing for a system of litter wardens in communities which are experiencing problems with littering and illegal dumping of solid waste. The system will operate similarly to or as a part of community watch programs, whereby the litter wardens will patrol problem areas and report littering and illegal dumping and the perpetrators thereof to the department when observed. Such support may include the provision of organizational and training assistance to the litter warden's system. The solid waste director shall promulgate written procedures for coordinating the efforts
of the wardens with enforcement officials of the sheriff’s department, the health department, and the solid waste management department.

(Ord. of 2-3-1997, § 1-76)

Sec. 44-153. - Suspension of privileges.

(a) The solid waste director is authorized, in addition to any or all of the remedies provided herein, to suspend for a period not to exceed 30 days the privilege of any person authorized hereunder to use any solid waste management facility subject to this chapter upon a determination by the director that such person has violated a provision of this chapter. Such suspension shall be imposed only upon notice and hearing pursuant to rules duly promulgated by the solid waste director.

(b) Upon a determination by the solid waste director that a person authorized hereunder to use any solid waste management facility subject to this chapter has violated provisions of this chapter on more than one occasion within a period of a year, the director may, upon notice and hearing as set forth in subsection (a) of this section, permanently revoke such person’s privilege to use such facility.

(c) Any suspension or revocation ordered by the solid waste director under subsection (a) or (b) of this section may be appealed for a determination to the board of county commissioners’ sitting in regular sessions.

(Ord. of 2-3-1997, § 1-77)

Sec. 44-154. - Penalty.

All civil violations of this chapter shall result in a fine of $500.00 per violation.

(Ord. of 6-1-1998)
BLADEN COUNTY EMERGENCY OPERATIONS PLAN
PUBLIC WORKS/RESTORATION OF ESSENTIAL SERVICES
ESF # 3

PURPOSE

The purpose of this section is to provide for essential public works services during an emergency/disaster, including solid waste disposal, water distribution, electric distribution, sewer system, and debris removal.

II. SITUATION AND ASSUMPTIONS

A. Situation

1. Bladen County Public Works

   a. Bladen County operates a small Public Works Department which is routinely responsible for building and grounds maintenance, water plant operation, general airport maintenance, and solid waste disposal.

   b. All roads in Bladen County are owned by the State or Federal government and maintained by the North Carolina Division of Highways; the Division maintains a highway maintenance yard located on Highway 41.

   c. The City of Elizabethtown oversees operation of the Bladen Airport in accordance with State and Federal Regulations.

   d. The amount of equipment owned by the County is minimal for routine public works operations, and inadequate for a disaster situation.

   e. A few logging companies and loggers are located in Bladen County which have equipment ideally suited for debris removal and chipping.

   f. Numerous pieces of heavy equipment suitable for debris removal can be found throughout the County at various farm, business, and industry sites.
g. The North Carolina Division of Forest Resources Maintains a small office in the county with limited equipment.

h. Certain facilities will receive priority in the restoration of essential services (See Vital Facilities).

2. Electrical Utilities in Bladen

a. Electrical service is provided to the county primarily by Progress Energy.

b. The area's electric utilities have mutual aid agreements with other companies which allow augmentation of emergency repair crews during emergencies/disasters.

3. Telephone Service in Bladen

a. Land-based commercial and residential telephone service for most of Bladen County is provided by.

b. Several paging services serve Bladen. The Page East system is utilized by County government including Emergency Services.

c. Cellular phone service is available in Bladen from Alltel, Us Cellular and Cingular.

4. Water and Sewer in Bladen

a. No county sewer system exists; rural homes and businesses utilize private septic tanks or small package treatment systems; schools utilize package treatment systems or large septic tanks. Some privately owned developments have package treatment systems.

b. A County community water system serves the county of Bladen.

5. State-owned or supported vehicles can be refueled at the Division of Highways yard equipped with auxiliary power, or field-fueled from DOT tanker trucks.
B. Assumptions

1. A catastrophic event affecting multiple counties and/or states may result in the following consequences related to public works and restoration of essential services:

- loss of some or all essential services for extended periods of time.
- a shortage of available outside assistance.
- a shortage of materials for repair of utilities.
- overall delay in restoration of essential services.
- rapid exhaustion of local resources.
- inability to relay resource requests/needs.
- attempted price gouging for repair of essential services.

2. Volunteers will be available and willing to assist with emergency debris removal.

3. Interruption of some or all essential services is an expected consequence of an emergency/disaster, resulting in large numbers of people without essential services.

4. Following a catastrophic event, all roads and streets will be impassable due to debris.

5. The North Carolina Division of Highways will remove debris from the State highway and road system. The Division will not remove debris from private property except in extraordinary cases cleared through the State EOC.

6. The North Carolina Division of Forest Resources will perform emergency debris removal beyond State property when requested and approved through the State EOC.

7. Privately owned farm and industrial equipment will be heavily utilized by volunteers assisting with debris removal.

8. Controlled burning of debris will be allowed as a means of disposal.
III. CONCEPT OF OPERATIONS

A. Mitigation and Preparation Activities

1. Public Works will prepare county buildings for predictable consequences of an impending emergency, such as severe weather.

2. County equipment and vehicles will be prepared (fueled, equipped) for an impending emergency when possible.

3. Public works will identify auxiliary power requirements of critical facilities in order to expedite resource requests.

B. Debris Removal

1. Priority for debris removal will be given to the following sites during an emergency/disaster situation:
   - Rescue sites
   - County Emergency Operations Center/Communications
   - emergency services locations including fire and EMS
   - medical facilities
   - Bladen Airport
   - primary streets and roads
   - vital utilities (power lines, substations, wastewater plants, communications sites)
   - Disaster Recovery Centers
   - staging areas/refueling areas
   - sites to be utilized for helipads

2. The Public Works Director will coordinate emergency debris removal operations with the emergency operations center and provide timely briefings on the status of operations; the Public Works Director will receive requests for emergency debris removal, prioritize tasks, deploy available resources, and status of operations.

3. The Bladen County Communications radio system will be utilized to coordinate debris removal operations.

4. Temporary debris storage, sorting, and chipping sites will be established throughout the affected area. Sites will be located in areas where debris can be burned within applicable regulations.
5. The County landfill will be available for the storage, disposal and sorting of large quantities of debris.

6. A large scale staging area at (LOCATION) will be established to receive equipment and crews arriving from other jurisdictions following a major disaster.

7. Additional debris removal equipment will be requested through the N.C. Division of Emergency Management as the need arises.

8. The Division of Emergency Management will be the lead agency for coordination of state-owned equipment deployed to the County for debris removal.

C. Emergency Public Water Supplies

1. As determined by the disaster, sites will be established throughout the affected area for distribution of emergency water supplies to the public.

2. Public Works will coordinate with the various community water systems, Health Department and state officials to support provision of emergency public water supplies.

D. Restoration of Electric Power

1. Emergency generators will be rented from contractors as requested through Emergency Management and subsequently deployed to vital public facilities which do not have power.

2. Progress Energy will activate emergency crews and utilize emergency mutual aid agreements until the emergency is resolved.

E. Restoration of Public Sewer and Sanitary Facilities

1. If available, portable toilets will be provided to the general public and to work sites.

2. Contractors will expedite repair and restoration of waste disposal systems.
F. Emergency Refueling Activity

1. Commercial fuel jobbers will be requested to deploy fuel tankers to the affected area to refuel emergency vehicles, generators, and other equipment.

2. Emergency refueling of County vehicles, fire and EMS units will be accomplished utilizing School system fuel tankers, available commercial facilities and tankers, and N.C. Division of Highways fuel trucks (upon approval by the State EOC/SERT).

G. Public Works Recovery Activities

1. Public Works will assist in damage assessment of County owned facilities.

2. Public Works will serve as needed on FEMA Disaster Survey Report teams following a Presidential Declaration of Disaster for Bladen.
<table>
<thead>
<tr>
<th>PREPAREDNESS GUIDELINES</th>
<th>COMMENTS/NOTES</th>
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<tbody>
<tr>
<td>Review, revise, update memorandum of understanding, mutual aid agreements and checklists annually.</td>
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<tr>
<td>Upon request, staff the Public Works/Utilities function in the EOC.</td>
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<tr>
<td>Maintain a message/event log at the EOC position.</td>
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<tr>
<td>Notify supporting agencies of the potential need for personnel and equipment. Compile lists of readily available assets and provide to EOC Director.</td>
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<tr>
<td>Direct support agencies to track personnel and equipment expenses for reimbursement and maintain an accurate record of expenditures for labor, equipment, materials, fuel, rental equipment, etc.</td>
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<tr>
<td>Establish communications with supporting agencies.</td>
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<tr>
<td>Notify PIO that the Public Works function is staffed in EOC.</td>
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<tr>
<td>Develop contact list to include phone numbers, pager, fax, home, and alternate contact number for supporting agencies. Include radio channels/cellular numbers.</td>
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<tr>
<td>Identify those public works facilities that may be impacted by a disaster, and develop plans to overcome any shortfalls.</td>
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<tr>
<td>Develop prioritization repair plan for damaged facilities.</td>
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<tr>
<td>Identify critical public works facilities that will require generator backup. Identify generator size needed and if facility has quick-connect capability. Identify generator transportation/delivery contacts.</td>
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<tr>
<td>Prepare to provide emergency repairs to water, waste water and solid waste facilities.</td>
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<tr>
<td>Identify roadways that will require priority debris clearance.</td>
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<tr>
<td>Compile list of facilities that may require emergency</td>
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<tr>
<td>RESPONSE GUIDELINES</td>
<td>COMMENTS/NOTES</td>
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<tr>
<td>Coordinate response of primary and supporting public works/utilities agencies.</td>
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<td>Reassess the priorities to be addressed for the most critical needs and develop strategies to address these needs.</td>
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<td>Continue to track resources committed to specific missions.</td>
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<tr>
<td>Determine the need for outside resources (type and location needed).</td>
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<tr>
<td>Identify potential debris sites – chipping, burning, sorting.</td>
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<td>Provide fuel for emergency vehicles.</td>
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<tr>
<td>Maintain a log of those firms volunteering equipment.</td>
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<tr>
<td>Maintain log of firms desiring to rent equipment to the County.</td>
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<tr>
<td>Advise outside agencies coming into the disaster area that they are to be self-sufficient.</td>
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<tr>
<td>Track daily costs and develop reports and prepare GIS data and maps.</td>
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<tr>
<td>Advise EOC of State and Federal resources needs, at a minimum, 12 hours prior to need in the County.</td>
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<thead>
<tr>
<th>RECOVERY GUIDELINES</th>
<th>COMMENTS/NOTES</th>
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<tbody>
<tr>
<td>Respond to request for public works assistance from municipalities and other agencies.</td>
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<tr>
<td>Review public works requests and prioritize response.</td>
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<tr>
<td>Support damage assessment activities.</td>
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<tr>
<td><strong>RECOVERY GUIDELINES (continued)</strong></td>
<td><strong>COMMENTS/NOTES</strong></td>
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<tr>
<td>Make temporary repairs to damaged public works facilities.</td>
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<td>Ensure that adequate amounts of potable water are available to support recovery operations.</td>
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<tr>
<td>Receive requests for assistance to repair damaged privately owned utility systems.</td>
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<td>Provide technical assistance to operators of utility systems.</td>
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<tr>
<td>Procure portable toilets and safety lighting for work sites, if needed.</td>
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<tr>
<td>Provide listing of damaged public works facilities to State Strike Team, if deployed to area.</td>
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<tr>
<td>Participate in the review of operations during County-led critique. Develop plan of actions to improve response during future events.</td>
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