Solid Waste and Materials Management Annual Report
July 1, 2019 - June 30, 2020

Submit this form to Lgteam@ncdenr.gov by September 1, 2020.

On the following pages, you will find the Local Government Solid Waste and Materials Management Annual Report Form for Fiscal Year 2019-2020. Each North Carolina county and municipality is required to complete this report annually. Completion and submission of this report will fulfill the annual reporting mandate to the state as required by G.S. 130A-309.09A. Failure to complete and submit this report could result in the local government being excluded from distributions of Solid Waste Disposal Tax Proceeds and other Department of Environmental Quality grants.

Instructions

This form must be completed electronically using Adobe Reader. It is suggested that you complete the form using the latest version of Adobe Reader which can be downloaded for free at: https://get.adobe.com/reader/. Please DO NOT complete this form using Adobe Acrobat Pro.

Complete the form by entering responses in the appropriate fields using Adobe Reader. Please save a copy of the completed form to your computer for your records by using the "Save As" option. Name the file Community Name LGAR 2019-20. For example, Aberdeen LGAR 2019-20.

You can find your reports from previous years at: https://deq.nc.gov/conservation/recycling/local-government-recycling-assistance/LGAR

After completing and saving the report, please email the report to Lgteam@ncdenr.gov

If you need assistance completing or submitting this form, please feel free to contact one of the following Division of Environmental Assistance and Customer Service staff members:

  Sandy Skolochenko, phone: 919-707-8147, email: sandy.skolochenko@ncdenr.gov
  Tara Nattress, phone: 919-707-8123, email: tara.nattress@ncdenr.gov
Required: Select your Local Government Name

UNION COUNTY

State of North Carolina
Department of Environmental Quality
Division of Waste Management &
Division of Environmental Assistance and Customer Service

COMPLETION AND SUBMISSION OF THIS REPORT WILL FULFILL THE ANNUAL REPORTING MANDATE TO THE STATE AS REQUIRED BY G.S. 130A-309.09A.

Please submit this form to Lgteam@ncdenr.gov by September 1, 2020.

If you have questions or need assistance completing this form, please call 919-707-8147 or 919-707-8123.

Person Completing This Report: Jennifer Crumpler
Title: Recycling Coordinator

Mailing Address: 500 N. Main Street
City: Monroe
Zip: 28112
Phone: (704) 296-4213
Date: July 22, 2020
Email: Jennifer.Crumpler@unioncountync.gov

General Instructions
Please remember that the time period for the report is JULY 1, 2019 through JUNE 30, 2020. Please check “No” if you have nothing to report for a specific question.

1. Did your local government have a Recycling Coordinator or similar position for FY 19-20? [ ] Yes [ ] No

   Name Recycling Coordinator (if different from person completing this report.)
   Name: ____________________________
   Address: ____________________________
   City: ____________________________
   Zip: ____________________________
   Telephone: ____________________________
   Email: ____________________________

2. Did your local government have a Solid Waste Director or similar position for FY 19-20? [ ] Yes [ ] No

   If Yes, Name: John Yvars (July 2019 - June 1, 2020) - currently Ron Gilkerson
   Title: Solid Waste Division Director
   Address: 500 N. Main Street
   City: Monroe
   Zip: 28112
   Telephone: 704-283-3576
   Email: Ronald.Gilkerson@unioncountync.gov

3. Did your local government have dedicated or part-time Solid Waste Enforcement Staff for FY 19-20? [ ] Yes [ ] No

   If Yes, Name: Ed Eason
   Title: Environmental Health Program Specialist
   Address: 500 N. Main Street
   City: Monroe
   Zip: 28112
   Telephone: 704-283-3860
   Email: edeason@unioncountync.gov

4. Did your local government have solid waste ordinances in place addressing any of the following during FY 19-20? (if yes, please check all that apply)
   [ ] Disposal Bans  [ ] Illegal Dumping  [ ] Littering  [ ] Construction & Demolition  [ ] Other: ____________________________

5. Did your local government manage, provide or contract for any solid waste services in FY 19-20 (e.g., collection, disposal, recycling, mulching, composting)? [ ] Yes [ ] No

If you answer "No" to question 5, the report is complete, please email to Lgteam@ncdenr.gov.
Part I. Waste Reduction and Recycling Programs Serving Government Facilities

6. Did your local government have a recycling program in place for collecting recyclable materials generated at public buildings in FY 19-20?  ☒ Yes  ☐ No

7. Did your local government have any program or policy encouraging or requiring local agencies to purchase products with recycled content in FY 19-20?  ☒ Yes  ☐ No

8. Did your local government have a program in place to collect and recycle spent fluorescent lights generated from the public buildings and facilities that were operated by your government in FY 19-20?  ☒ Yes  ☐ No

Part II. Waste Reduction and Recycling Programs Serving the Public

SOURCE REDUCTION / REUSE

9. Did your local government have a backyard composting program?  ☐ Yes  ☒ No

10. If yes, please check all backyard composting activities that apply:
    ☐ Education  ☐ Demonstration site(s)  ☐ Bin distribution/sales  Number of Bins distributed? ________________

11. Did your local government operate a program to promote source reduction efforts?  ☐ Yes  ☒ No
    If yes, please check all source reduction programs that apply:
    ☐ Junk Mail Reduction  ☐ Single Use Plastics Reduction  ☐ Food Waste Reduction
    ☐ Promoting Reuse and Donation  ☐ Other ________________________________

12. Did your local government offer a waste exchange or reuse program?  ☒ Yes  ☐ No

13. If yes, please check all waste exchange and/or reuse programs that apply:
    ☐ Swap shop/shed  Number of sheds in use? ________________  ☐ Paint exchange  Number of gallons recovered? 156
    ☒ Other (e.g. pallet exchange, etc.)  Habitat for Humanity Paint Reuse Program

PUBLIC RECYCLING SERVICES

14. Which of the following responses best describes your recyclables recovery activities for the period July 1, 2019 through June 30, 2020? Choose ONE option that best applies.

    ☒ My local government DID operate or contract for a recyclables recovery program. (please continue to question 15)

        My local government DID NOT operate or contract for recyclables recovery BUT DID participate in a recyclables recovery program sponsored by another local government. (Please identify the public agency/organization responsible for its operation; then go to Part IV on page 7.)

        With which local government did you participate? ________________________________

    ☐ My local government DID NOT operate, contract or participate in a recycling program. (Go to Part IV on page 7.)

CURBSIDE RECYCLING PROGRAM

15. Did your government operate a Curbside Recycling Program?  ☐ Yes  ☒ No, skip to question # 25

16. Who collected the recyclable materials for your local government's curbside recycling program?
    ☐ Local government employees
    ☐ Private contractor (please specify) ________________________________________________
    ☐ Franchised hauler (please specify) ________________________________________________
    ☐ Other (please specify) ___________________________________________________________
17. Please provide the following information about your community:
   a. Total number of households in your jurisdiction: ____________________________
   b. Number of households eligible to participate in the curbside recycling program: ____________________________
   c. Provide the number of households that participate in the curbside recycling program (estimate if necessary): ____________________________

18. If your curbside recycling program is operated through a public franchise granted to a private company then please answer the following:
   Is public participation in the franchise: ☐ Voluntary or ☐ Mandatory
   Does your franchise consist of: ☐ One service district or ☐ Multiple service districts

19. What sector(s) of your community was served by the curbside recycling program?
   ☐ Residential ☐ Commercial ☐ Industrial

20. If you checked commercial or industrial in question 19, please indicate the number of accounts served: ____________________________

21. How frequently were the curbside recyclables collected?
   ☐ Once a week ☐ Every other week / biweekly
   ☐ Other

22. Please describe the collection containers used:
   ☐ Bins ☐ Blue bags
   ☐ Multi-bin system ☐ Roll-out carts

23. Please describe the method of recycling collection:
   ☐ Curb-sort (collector separates material as collected) ☐ Single stream / commingled
   ☐ Dual / two stream ☐ Don't know / other

24. Do residents sign up for curbside recycling service or are they automatically included?
   ☐ Sign up ☐ Automatically included

25. Did your government operate a Drop-off Recycling Program? ☒ Yes ☐ No, skip to question # 32

26. Who collected the recyclable materials for your local government's drop-off recycling program?
   ☒ Local government employees
   ☐ Private contractor
   ☐ Other (please specify)

27. Please describe the method / style of recyclable materials handling for your drop-off recycling program:
   ☐ Source-separated (citizens separate materials by type) ☐ Single stream / commingled
   ☒ Dual / two stream (paper separated from cans/bottles) ☐ Don't know / other

28. Please estimate the number of households served by your drop-off recycling program. 75,000

29. What sector(s) of your community are served by the drop-off recycling program?
   ☐ Residential ☐ Commercial ☐ Industrial

30. How many drop-off locations did you provide for the citizens in your jurisdiction? Number of Sites: 6

31. How many of these locations were staffed with attendants?
   ☒ All ☐ None ☐ Some please list # of staffed sites: ______

32. Did your community operate an electronics recycling program in FY 19-20? ☒ Yes ☐ No, skip to question # 38
   If you did operate an electronics recycling program, please indicate style of program:
   ☐ Permanent - Curbside Collection ☒ Permanent - Drop-off ☐ Scheduled Collection Day or Event ☐ Part of HHW Program
   If you offer curbside collection of electronics is it: ☐ by appointment or ☐ unscheduled
   If you operate a drop-off electronics program, how many collection sites do you provide? Number of Sites: 5
33. Did your electronics recycling program collect or accept televisions from (check all that apply):  ■ Residences  ■ Businesses
34. Did your electronics recycling program collect or accept computer equipment from (check all that apply):  ■ Residences  ■ Businesses
35. Annually, DEQ distributes funds to eligible units of local government. If your unit of local government received a distribution from the Electronics Management Fund in February 2020, please provide the following information:

Electronics Management Fund balance as of July 1, 2019: $150,000

Electronics Management Funds received from DEQ during FY 19-20 (Feb 2020 distribution): $13,889

Electronics Management Funds spent during FY 19-20: $150,195

Electronics Management Fund balance as of June 30, 2020: $0

36. Explain how Electronics Management Funds were used during FY 19-20 (list items purchased if applicable):

Monies were used to pay the contractor to process electronics for recycling.

37. Name of electronics recycler(s) used during FY 19-20:  Southern Environmental Solutions of the Carolinas

Does the electronics recycler(s) used have either the e-Steward or R2 certification?  ■ Yes  ■ No

OTHER PUBLIC RECYCLING PROGRAMS

List only programs operated or contracted for by the local government. The tonnage of any materials collected by the following programs should be listed in the "Other" column in the Recycling Tonnages Chart on pg 5.

38. Did your local government operate a multifamily recycling collection program that provides on-property recycling service for residents of multifamily properties in a manner other than through your curbside or drop-off recycling programs?  ■ Yes  ■ No

39. Did your local government operate a recycling program to serve commercial or institutional members of your community in a manner other than through your curbside or drop-off recycling programs?  ■ Yes  ■ No

40. Does your local government provide recycling services to Alcoholic Beverage Commission permit holders?  ■ Yes  ■ No

On-site collection services provided  ■ If on-site collection provided, please estimate # of ABC accounts served:

Public drop-off recycling sites available for ABC On Premises Permit holders to use

41. Does your local government operate a program to recycle Construction and Demolition materials?  ■ Yes  ■ No

If yes, please check all materials that were recycled and report tonnages in tonnage table on page 5:

Clean Wood  ■ Brick, concrete, etc.  ■ Sheetrock  ■ Vinyl siding  ■ Shingles  ■ Metals  ■ Other

42. Please identify all Away From Home / Recycling On The Go programs or services operated by your government during FY 19-20. (check all that apply and if possible indicate tonnages on page 5 in "Other" column)

■ Public Parks Recycling Program  ■ Athletic Field /Venue Recycling Program

■ Pedestrian Recycling Program  ■ Recycling Service for Special Events / Festivals

43. Please identify all “Other” programs or services operated by your government during FY 19-20. (check all that apply and if possible indicate tonnages on page 5 in "Other" column)

■ Public School Recycling Program

■ Scheduled Collection Drives (e.g. confidential document shredding event held quarterly, once a year, etc.)

■ Lend-a-Bin Program where local government provides recycling containers to community organizations for use at events

■ Organics / Food Waste Recycling other than yard waste program

■ Oyster Shell Recycling Program

■ Other Programs (please specify)

Programs to manage Special Wastes are addressed in Part III on page 6, please do not include Special Waste programs above.
## RECYCLING TONNAGES FROM PUBLIC PROGRAMS

44. a. Enter data in the table below for ALL recycling programs operated or contracted for by your local government. Provide TONNAGES (or estimates) for each material collected for the period JULY 1, 2019 through JUNE 30, 2020.

b. Do NOT report yard waste, tires, HHW, used oil, batteries or other special wastes on this page - these are covered later in the report.

c. If you collected single stream or other commingled materials, record tons in the "Commingled tons" row and then X the boxes beside each material type included in the commingled mix.

### PROGRAM

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>Curbside</th>
<th>Drop-off</th>
<th>All &quot;Other&quot; Programs</th>
<th>Total Tons (totals are calculated by form)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>✔ if Yes</td>
<td>✔</td>
<td>✔ if Yes</td>
<td>✔</td>
</tr>
<tr>
<td>GLASS:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clear</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brown</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixed</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLASTIC:</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PET #1</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDPE #2</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Plastic Bottles</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Plastic Containers</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulky Rigid Plastics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>METAL:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum Cans</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel Cans</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAPER:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newsprint (ONP)</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cardboard (OCC)</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magazines (OMG)</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office Paper</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixed / Other Paper</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cartons / Aseptic Containers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WOOD:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pallets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Wood - DO NOT report yard waste tons here</td>
<td>Report all tons in Other column</td>
<td>Report all tons in Other column</td>
<td>Report all tons in Other column</td>
<td></td>
</tr>
<tr>
<td>ELECTRONICS:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Televisions</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>297.55</td>
</tr>
<tr>
<td>Computer Equipment</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>19.32</td>
</tr>
<tr>
<td>Other Electronics</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>63.12</td>
</tr>
<tr>
<td>OTHER MATERIALS:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Textiles (clothes etc...)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C&amp;D Materials Recycling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Goods</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>170.95</td>
</tr>
<tr>
<td>Other Scrap Metal</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>503.44</td>
</tr>
<tr>
<td>Commingled tons* (x boxes above for all items included)</td>
<td>□</td>
<td>✔</td>
<td>719.49</td>
<td></td>
</tr>
<tr>
<td>TOTAL TONS:</td>
<td></td>
<td></td>
<td></td>
<td>853.69</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,054.38</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,908.07</td>
</tr>
</tbody>
</table>

45. *If you checked commingled, which material recovery facility (MRF) does your community use? Sonoco Recycling

A MRF is the plant that separates commingled recyclables into marketable commodities (paper, plastic, metals, glass)

a. Do you have a formal contract with the MRF? ✔ Yes □ No If yes, what month/year does it expire? June 2021

b. Do you know your inbound contamination level at your MRF? □ Yes ✔ No

Inbound contamination is the amount of non-recyclable materials in commingled loads delivered to the MRF.

If yes, what is the inbound contamination percentage?
Part III. Special Waste Collections

Please provide responses and data as indicated below considering services provided to the public. Please do not include data on materials that were accepted and then disposed of in a landfill. Do not include materials generated exclusively by government operations (e.g., motor-fleet services). Question 47 is about materials accepted outside of any Household Hazardous Waste (HHW) Program or event. If special wastes were only accepted as a part of an HHW Program or HHW event and were not collected by separate recycling efforts then do not record materials in question #47 but instead report with HHW materials in question #48.

Special wastes are materials collected at convenience centers, transfer stations, landfills, etc. Do not include materials collected at household hazardous waste permanent collection facilities or household hazardous waste temporary collection events.

<table>
<thead>
<tr>
<th>Material Type</th>
<th>Did program collect this material from the public?</th>
<th># of sites</th>
<th>Data on quantities collected / managed. Please report in indicated units.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used Motor Oil</td>
<td>Yes</td>
<td>6</td>
<td>16,385 gallons</td>
</tr>
<tr>
<td>Used Oil Filters</td>
<td>Yes</td>
<td>6</td>
<td>33 barrels, or 996,000 lbs</td>
</tr>
<tr>
<td>Used Antifreeze</td>
<td>Yes</td>
<td>1</td>
<td>996 gallons</td>
</tr>
<tr>
<td>Batteries, Lead Acid (Auto)</td>
<td>Yes</td>
<td>1</td>
<td>138 # batteries, or 996,000 lbs</td>
</tr>
<tr>
<td>Batteries, Dry Cell (Household)</td>
<td>Yes</td>
<td>1</td>
<td>138 # batteries, or 996,000 lbs</td>
</tr>
<tr>
<td>Fluorescent Bulbs/Lights Containing Mercury</td>
<td>Yes</td>
<td></td>
<td># bulbs, or</td>
</tr>
<tr>
<td>Propane Tanks</td>
<td>Yes</td>
<td>1</td>
<td>lbs, or 173 # tanks</td>
</tr>
<tr>
<td>Used Cooking Oil / Waste Vegetable Oil</td>
<td>Yes</td>
<td>1</td>
<td>lbs, or 173 # tanks</td>
</tr>
<tr>
<td>Other Special Wastes - please provide waste type here: compressed gas and paint related</td>
<td>Yes</td>
<td>1</td>
<td>142 lbs</td>
</tr>
<tr>
<td>Pesticide Containers (NCDA Program, not pesticides themselves)</td>
<td>Yes</td>
<td>1</td>
<td>lbs, or # containers</td>
</tr>
<tr>
<td>NCDA Pesticide Disposal Assistance Program (for management of pesticides, not containers)</td>
<td>Yes</td>
<td>1</td>
<td>lbs</td>
</tr>
<tr>
<td>Latex Paint (do not include paint collected at HHW event or by a paint exchange program)</td>
<td>Yes</td>
<td>1</td>
<td>gals, or</td>
</tr>
</tbody>
</table>

Household Hazardous Waste (HHW) Collection Program - Fiscal Year 2019-2020

48. Did your local government operate a permanent HHW collection facility or temporary collection event?  Yes  No

If Yes, please respond to the following questions:

a. Was HHW collected at a permanent collection facility or temporary collection event?  Permanent  Temp. Event

b. How many days did the HHW collection program operate (number of days operated out of 365)?

c. Did your local government partner the HHW program or event with another local government?  Yes  No

Please list partner(s)

d. How many households/residences participated in your HHW collection program?

If yes, please provide or estimate the amount of VSQG material collected:  pounds

e. Did your program accept materials from VSQG (Very Small Quantity Generators) businesses?  Yes  No

f. Provide the amount of materials collected by the HHW program for the fiscal year  pounds

g. List all the HHW disposal and HHW recycling contractors:

h. What is the fiscal year cost to operate the HHW collection program?
Part IV. Yard Waste, Mulching and Composting Management

Yard waste may not be disposed in sanitary landfills, incinerators, or in unpermitted sites and it is illegal to burn. Do not include information on food waste or non-vegetative materials in this section.

49. Does your local government operate a yard waste program?  Yes  No  If yes please indicate how yard waste is managed by checking all that apply:  Collected curbside  Collected at convenience center  Received at yard waste, compost, or LCID facil.

50. Did a storm event significantly impact the amount of yard waste your government managed during FY 19-20?  Yes  No

51. What quantities of materials were managed by your yard waste program? Provide information in TONS OR CUBIC YARDS of organic material (yard waste, brush, limbs, leaves, etc.) managed.  For conversion purposes, use 400 lbs./cubic yd.

<table>
<thead>
<tr>
<th>Destination</th>
<th>Check if used</th>
<th>Tons</th>
<th>Cubic Yards</th>
<th>Facility Name and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>End user (to farmer or home-owner)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Your local government's mulch or compost facility</td>
<td></td>
<td>6,963.7</td>
<td></td>
<td>Solid Waste Management Facility, 2125 Austin Chaney Rd. Wing</td>
</tr>
<tr>
<td>Other public mulch or compost facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private mulch or compost facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land clearing and inert debris landfill (LCID)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy / Fuel Use (e.g. boiler fuel market)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>6,963.7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

YARD WASTE MANAGEMENT FORMULA: If yard waste quantities are not tracked, you may use this formula below to help you estimate yard waste volume. Calculate for each truck used in your yard waste management program, and then enter the grand total volume managed by program in the appropriate boxes above.  Ex.  10 cubic yard truck x 3 days/wk x 16 wks = 480 cubic yards

\[
\text{Size of Truck (in yards)} \times \text{Avg. no. of times truck fills each week} \times \# \text{ of weeks truck is used during year} = \text{TOTAL} \text{ cubic yards}
\]

Part V. Solid Waste Collection Services

52. Please complete the following table about your government's solid waste (garbage) collection system.

<table>
<thead>
<tr>
<th>Sector</th>
<th>Who Collects Solid Waste?</th>
<th>How is Solid Waste Collected?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Primary Insert Letter - see codes at right</td>
<td>Primary Insert # - see codes at right</td>
</tr>
<tr>
<td>Residential</td>
<td>a</td>
<td>Secondary</td>
</tr>
<tr>
<td>Commercial</td>
<td>b</td>
<td>Secondary</td>
</tr>
<tr>
<td>Industrial</td>
<td>b</td>
<td>Secondary</td>
</tr>
</tbody>
</table>

53. If you provide residential waste collection at single-family households in your jurisdiction, please answer the following questions:

- What type of collection method is used?  Fully Automated  Semi-Automated  Manual  Don't know
- What is the standard collection frequency?  Weekly  Two times per week  Other
- What is the typical service point for single family household waste?  Curbside  Back yard / Back door
- What type of collection container is used?  Government-provided carts  Resident-provided container  Bags
- Do you offer bulky waste collection services?  Yes  No

54. For municipalities - did your government collect white goods at the curb?  Yes  No

55. Did your local government have an education program to inform citizens specifically about solid waste management and / or recycling issues / activities?  Yes  No  (If No, skip to Part VII, page 8)

56. Please estimate your annual budget for solid waste related education and outreach activities:  $7,125

57. Does your community produce recycling education and outreach materials in languages besides English?  Yes  No

If YES, please list other languages used: Spanish
Part VII. Resources for Solid Waste Management and Full Cost Accounting

58. Did your local government operate an Enterprise Fund for solid waste services in FY 19-20?  ☑ Yes  ☐ No

59. NC Solid Waste Disposal Tax proceeds are distributed to eligible local governments on a quarterly basis by the Department of Revenue. According to GS 105-187.63 these funds must be used by a city or county solely for solid waste management programs and services.

Did your local government receive Solid Waste Disposal Tax distributions?  ☑ Yes  ☐ No

If yes, how are disposal tax distributions being used? To help offset cost of recycling programs

60. What other funding sources does your local government use?

☒ Tipping fees
☐ Property taxes / general fund
☒ Volume/weight-based fees (e.g. PAYT)
☐ Tire tax
☒ Sale of recyclables
☐ White Goods tax
☐ Per household charges
☐ Grants

61. If applicable, please provide your FY 19-20 household fees (follow example format):

ex: $75.00 per year per household for solid waste

a. $________ per ________ per ________ for solid waste
b. $________ per ________ per ________ for recycling
c. $________ per ________ per ________ for yard waste
d. $________ per ________ per ________ for bulky waste
e. $________ per ________ per ________ availability fee
f. $________ per ________ per ________ total charge

62. Did your local government operate a Pay-As-You-Throw program for residential garbage during FY 19-20? (a system where residents are charged a fee by weight or volume for the amount of trash they discard)  ☑ Yes  ☐ No

According to GS 130A-309.08, local governments are required to conduct full cost accounting annually and inform users of such costs.

63. If your local government contracts for solid waste or recycling services:

<table>
<thead>
<tr>
<th>Annual Contract Amount</th>
<th>Month/Year of Contract Expiration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Waste Services Contract</td>
<td>$2,452,540</td>
</tr>
<tr>
<td>Recycling Contract</td>
<td>$578,097</td>
</tr>
<tr>
<td>OR: Combined Contract (solid waste &amp; recycling)</td>
<td>$________</td>
</tr>
</tbody>
</table>

64. Collection Programs: Please complete the following table to the best of your ability to display the full costs of your local government's collection programs for waste, recyclables and yard waste including materials collected from convenience centers.  **If full cost analysis is not available, please report program budget in Total Cost column.**

<table>
<thead>
<tr>
<th># of Households served</th>
<th>Tons Collected (enter MSW tons; others autofilled)</th>
<th>Collection Cost</th>
<th>Disposal Cost (tipping fees paid)</th>
<th>Total Cost including overhead</th>
<th>Cost Per Ton Managed (calculated by form)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal Solid Waste*</td>
<td>7,326.1</td>
<td>489,749</td>
<td>162,491</td>
<td>652,240</td>
<td>89</td>
</tr>
<tr>
<td>Recycling Program**</td>
<td>1,908.07</td>
<td>120,456</td>
<td></td>
<td>122,364</td>
<td>64</td>
</tr>
<tr>
<td>Yard Waste Program</td>
<td>6,963.7</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals (calculated by form):</td>
<td>16,197.87</td>
<td>610,205</td>
<td>162,491</td>
<td>774,604</td>
<td>47</td>
</tr>
</tbody>
</table>

*for materials collected and sent for eventual disposal in a Municipal Solid Waste or Construction and Demolition Landfill.

**for materials collected by public recycling programs including those services offered to commercial and industrial generators. Do not include special waste services.

65. If your government operates a landfill, transfer station, yard waste/compost facility or recycling facility, please provide total budget for facility operations (round to nearest dollar). If budgets for different facilities are combined, please attempt to allocate costs proportionately.

Landfill Budget: $279,333
Transfer Station Budget: $2,925,887
Yard Waste / Compost Facility Budget: $
Recycling Facility Budget: $791,919

66. What was your government's total combined annual budget for all solid waste and recycling services in 19-20? $7,594,268
Part VIII. Mandated Programs

Only Counties need to complete questions 67 through 85. Part VIII is applicable to NCGS Chapter 130A - Article 9, Part 2D, "Management of Discarded White Goods" and Part 2B, "Scrap Tire Disposal Act." Municipalities should skip to Part IX on page 11.

**WHITE GOODS**

67. Please provide contact information for the person responsible for the white goods program.

   Name: Chris Medlin  
   Title: Landfill Operations Superintendent  
   Mailing Address: 2125 Austin Chaney Road  
   City: Wingate  
   Zip: 28174  
   Phone: 704.233.5334  
   Email: Chris.Medlin@unioncountync.gov

68. Please provide the physical address of the primary County white goods collection site.

   Physical Address: 2125 Austin Chaney Road, Wingate, NC 28174

69. Please provide contact information and license number of the person(s) that removes refrigerants from white goods.

   Name: Justin Stutts  
   Refrigerant Extraction License #: 000-3902  
   Mailing Address: 2125 Austin Chaney Road, Wingate, NC 28174  
   Phone: 704.296.4213  
   Email: Name:  
   Refrigerant Extraction License #:  
   Mailing Address:  
   Phone:  
   Email:

70. Provide the types and amounts of refrigerants removed from white goods.

<table>
<thead>
<tr>
<th>Type of Refrigerants Removed</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix</td>
<td>55.37</td>
</tr>
</tbody>
</table>

71. Refrigerants may be recycled or sent for destruction. Provide the business, method of disposal and amount earned / paid.

<table>
<thead>
<tr>
<th>Business Name and Phone Number</th>
<th>Method of Disposal</th>
<th>Amount Earned</th>
<th>Amount Paid</th>
</tr>
</thead>
</table>

72. Tons of white goods received: 170.95

   Tons of white goods from cleanup activities: 0

   Total Tons (also list in #44 on page 5): 170.95

   Reported in #44 on page 5? ☑ Yes ☐ No

73. NCDOR White Goods Disposal Tax Proceeds Distribution

   Total (Aug, Nov, Feb and May) $105,310.24

   Monies earned from the sale of white goods $10,584.2

   Monies earned from the sale of extracted refrigerants $0

   Monies from other sources $0

   Total Revenue: $115,894.44

74. The NCGS Management of Discarded White Goods requires that the white goods tax proceeds distributions be used for the management of discarded white goods. Provide the amounts and types of expenditures the white goods tax proceeds distributions were used for:

   Capital Improvements: $

   Operating Costs: $7,416

   Cleanup of Illegal Disposal Sites: $0

   Other: $0 describe:

   Total Expenditures: $7,416
75. Please provide contact information for the person responsible for the scrap tire program.

Name: Jennifer Crumpler
Title: Recycling Coordinator
Mailing Address: 500 N. Main Street
City: Monroe
Zip: 28112
Phone: 704.296-4213
Email: Jennifer.Crumpler@unioncountync.gov

76. Please provide the physical address of the primary scrap tire collection site.

Physical Address: 2125 Austin Chaney Road, Wingate, NC 28174
GPS Coordinates (decimal degree system): 35.039545, -80.458413

77. Scrap Tire Management Program - Tons Collected July 1, 2019 - June 30, 2020

| Tons of scrap tires certified as originated in NC in the normal course of business | 3,383.08 Tons |
| Tons of scrap tires from cleanup activities - costs reimbursed by DEQ | 0 Tons |
| Tons of scrap tires from fees charged | 58.54 Tons |
| Tons of scrap tires no fees charged - costs not reimbursed by DEQ | 0 Tons |
| Total Tons | 3,441.62 Tons |

78. Indicate the types of scrap tires received:

Passenger 96 %  Truck 3 %  Off-Road 1 %  Agricultural ___ %  Cleanup ___ %  Out of State ___ %

79. Scrap Tire Management Program - Revenue July 1, 2019 - June 30, 2020

| NCDOR Scrap Tire Disposal Tax Proceeds Distributions Total (Aug, Nov, Feb, May) | $ 316,121.34 |
| Scrap Tire Disposal Account Fund Grants (if applicable: Jul and Jan) | $ 0 |
| Scrap Tire Cleanup Reimbursements from DEQ: | $ 0 |
| Scrap Tire charges: | $ 4,800.28 |
| Total Revenue: | $ 320,921.62 |

80. Scrap Tire Management Program - Expenditures July 1, 2019 - June 30, 2020

| Contract cost for disposal/processing (not including shipping): 340,055.11 |
| Contract cost for shipping (not including disposal/processing): 0 |
| Additional scrap tire management program costs: 0 describe: |
| Total Expenditures: 340,055.11 |

81. Scrap Tire Disposal/Processing Company

Company Name: US Tire Recycling
Phone: 412.926.1500
Email: N/A
Mailing Address: PO Box 645375, Pittsburgh, P.A. 15264
Physical Address: 6322 Poplar Tent Road, Concord, NC 28027

82. If scrap tires were not hauled off site for treatment or disposal in a tire monofill, were they cut and disposed of in a MSW landfill?  Yes  No  If yes, how many tons? ________________

83. Suggestions for scrap tire disposal tax proceeds distribution alternatives:

84. Scrap tire management program limitations, other than money:

MANAGEMENT OF ABANDONED MANUFACTURED HOMES BY COUNTIES

85. Has your county considered whether to implement a program for the management of abandoned manufactured homes?  Yes  No

If yes, has your county developed a written plan for the management of abandoned manufactured homes?  Yes  No
Part IX. Disaster Preparedness - COUNTIES and MUNICIPALITIES

TEMPORARY DISASTER DEBRIS STAGING SITES

86. Does your local government have a plan in place for management of disaster debris? ☒ Yes ☐ No
   If yes, indicate if the plan is a stand-alone plan or in conjunction with local government agencies: ☐ Stand-alone ☒ In conjunction

87. If you indicated having a plan, has the plan been reviewed by N.C. Emergency Management or FEMA to ensure it meets the basic requirements for public assistance reimbursement in a declared disaster event? ☒ Yes ☐ No

88. Please list the name, contact numbers(s), and e-mail address of the person(s) in charge of the disaster debris management program for your local government:
   Name: Andrew Ansley
   Phone: 704-283-3575
   E-mail: Andrew.Ansley@unioncountync.gov

89. Please list the temporary disaster debris staging sites in your county or municipality which have been reviewed for conflicts with the Natural Heritage Program (NHP) and the State Historic Preservation Office (SHPO) through coordination with the Solid Waste Section. Please note that the vetting of a site prior to a disaster is advantageous to local governments because a staging site which is found to have impacted federal or state resources after a disaster may cause difficulty for local governments when attempting to obtain FEMA reimbursement. Attach extra sheets, if needed.

<table>
<thead>
<tr>
<th>Disaster Site #</th>
<th>Site Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solid Waste Management Facility, Wingate, NC</td>
</tr>
<tr>
<td></td>
<td>Union County Operations Center, Monroe, NC</td>
</tr>
<tr>
<td></td>
<td>Cane Creek Park, Waxhaw, NC</td>
</tr>
</tbody>
</table>

90. Does your plan address the management of: ☒ Household hazardous waste ☒ Mass animal mortality
    ☐ Abandoned vessels ☒ White goods

91. Does your plan include coordination with NC DOT on clearing roads and waste in the right of way? ☒ Yes ☐ No

Part X. Comments

Use this section to elaborate on any info provided in your report as necessary. Have there been major changes to your recycling or solid waste program since last year? Has your program been affected by COVID-19? Do you have new or updated ordinances that affect your programs? You may submit additional sheets if needed.

Editor notes (SS): removed 232.3 tons from rigid plastics and 487.19 tons from cartons because these equal 719.49 (reported as commingled). This is probably a breakdown of their dual stream tons. Best to keep reported as commingled.

Q.32 - number of sites taken from FY2018-19