

**Hyde County
Solid Waste Management Plan
July 1, 2012- June 30, 2022**

**Submitted by the
Hyde County
Board of Commissioners**

June 2012

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Hyde County Solid Waste Management Plan, July 1, 2012 – June 30, 2022

Executive Summary

Hyde County, a coastal county with a population of about 5,700 residents, is in the process of improving its solid waste management infrastructure while at the same time trying to reduce costs.

The county disposes of waste at the East Carolina Environmental (ECE) Landfill in Bertie County, owned by Republic Services. The county is at the closest about 50 miles from that landfill, so it faces high transportation costs as well as high tipping fees.

To consolidate its services, Hyde County has ceased the curbside recycling and trash collection services and has opened two additional county-staffed solid waste collection sites. The county no longer contracts with neighboring Dare County for trash collections on Ocracoke Island. All waste materials and recyclables are now managed using the collection sites that are available to businesses and residents.

The county has begun new recycling programs in recent years using state and local funds, including those that meet the requirements of the state disposal bans. The county plans to use a NC Department of the Environmental Assistance and Outreach (DEAO) grant in FY 2013 to install compactors to reduce the costs of transporting the commingled recyclables. Hyde County is also going to provide more public spaces recycling with this grant.

Hyde County Contact Persons

Ms. Mazie Smith, County Manager
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Albemarle Regional Solid Waste Management Authority
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Hyde County Vision Statement

- Hyde County tries to provide safe and efficient waste removal for everyone who lives in and visits the county, while keeping costs reasonable.
- The county encourages the reuse and recycling of materials to reduce pollution, use fewer raw materials, create jobs, save money, and to reduce its dependency on landfill disposal.
- The county encourages waste and toxicity reduction practices in the government agencies and in households and businesses.
- The county understands the importance of properly managing hazardous wastes and special materials, and seeks to develop programs to safely manage these materials and to discourage their improper disposal.
- The county practices proper waste management to protect the beauty, health, and safety of the environment and to follow local, state, and federal laws.

Hyde County Planning Goals

- To provide everyone in the community with waste disposal capacity, waste collection services, and waste reduction opportunities.
- To increase the efficiency and cost-effectiveness of the solid waste program.
- To meet the established local waste reduction goals.
- To decrease improper waste disposal.
- To protect the public health and the environment.

I. Geographic Information and Waste Stream Analysis

- Hyde County is a rural community of approximately 634 square miles, including Ocracoke Island on the Outer Banks. Several small unincorporated towns exist within the county.
- There are two distinct areas of the county – the mainland and Ocracoke Island. Ocracoke is a popular tourist destination that has large seasonal population increases beginning in the mid spring and extending through late in the fall.
- The mainland has a more steady population and waste production rate, but does have a large number of visitors who come to participate in outdoor activities.
- The amount of waste that is generated in Hyde County spikes periodically due to major hurricane damage including flooding. For example, 656 tons of storm debris from a hurricane that hit the county in August, 2011 was weighed at the Dare County transfer station and sent to ECE Landfill. Additional materials were ground and used as a fuel at industries. The county has built a dike around a flood-prone area of the mainland that should mitigate much future storm damage.
- Local, State, and Federal Government agencies make up the county's largest group of employers. Agriculture activities, seafood harvesting and hospitality and leisure follow that. The land is mainly used for timber and crop production.
- Large amounts of land belongs to the federal government and functions as wildlife refuges and parks.
- Approximately 650 inmates at the Hyde County Correctional Facility are included in the population count. The wastes generated at the facility are not managed by the county but are included in the total tonnage.
- **Table 1: Hyde County Population Projections** includes data as prepared by the NC Office of State Budget and Management¹, which predicts a shrinking population.

Table 1: Hyde County Population Projections

Year	2010	2019	2022
Population	5,783	5,393	5,268

¹ Population projections are from the NC Office of State Planning. *
http://www.osbm.state.nc.us/ncosbm/facts_and_figures/socioeconomic_data/population_estimates/demog/countygrowth_cert_2010.html and <http://demog.state.nc.us/>

- The percentages of the waste types in the waste stream vary depending on the point of origin within the county. Ocracoke Island has waste stream that is heavier in commercial waste than the mainland area.
- The county has very few industrial or large commercial waste producers. **Table 2: Hyde County's Solid Waste Stream Analysis** is an estimate of waste categories based on waste tonnages and observation of the waste stream.

Table 2: Hyde County's Solid Waste Stream Analysis

Area	Commercial	Construction and Demolition	Residential
Ocracoke Island	40%	22%	38%
Mainland	20%	22%	58%
Combined	28%	22%	50%

- The county gives an estimate of the types of waste that are included in the commercial waste stream in **Appendix D, Part I, Waste Stream Characterization. Descriptions of Non-Residential Waste Generated in Hyde County.**
- **Appendix D, Part II, Hyde County Workforce in Depth Report, 2011** from the NC Employment Security Commission shows the twenty-five largest employers in the county.
- **Appendix D, Part III, EPA Waste Stream Characterization** shows the U. S Waste Composition and Material Recovery from Residential, Commercial, and Institutional Sources.
- **Appendix D, Part IV, United States Total MSW Generation, 2010** shows the percentages of materials that contribute to the municipal waste stream.

II. Waste Reduction Goals

- Hyde County first based its estimated tonnages on flawed data from 1991/1992 that showed the county generated 0.60 tons of waste per capita. Not all of the County's waste was attributed to it until the fiscal year 1998/1999, when NC DENR made adjustments to the baseline tonnage report. At that time the county's waste was calculated at **5,501 tons, a rate of 0.98 tons per capita.**
- Most recently the county disposed of 5293 tons of waste in FY 2010/2011. Hyde County paid to collect and dispose of 3776 tons of waste. Another 1517 tons were brought into the ECE Landfill by commercial haulers. Refer to **Table 3: Hyde County Waste Reduction Goals** for the data described in this paragraph.
- In the 2009 plan the county projected a disposal rate 0.78 tons per capita by FY 2018/2019, which was a 20% reduction rate. The county will try to attain that rate of 20% and maintain it through 2022. To do that it will need to prevent or recycle 1054 tons of waste in the year 2022.
- It will try to achieve this by increasingly gaining residential and commercial participation in the recycling programs, adding new materials to recycle, and teaching waste reduction methods.

Table 3: Hyde County Waste Reduction Goals

Year	Population*	Tons of waste	Tons per capita	% Reduction achieved	Tons targeted for reduction
Baseline 1998/1999	5,612	5,501	0.98		
2007/2008	5,447	6,461	1.19	-21%	
2010/2011	5,783	5,293	0.92	6%	
2018/2019	5,393	4,422	0.78	20%	
2021/2022	5,268	4,320	0.78	20%	1054

III. Meeting the Waste Reduction Goals

- Hyde County provides its residents and businesses with a drop-off recycling program. With this program businesses and residents must take waste and recyclables to the county staffed sites where employees can encourage recycling.
- The county is increasing the number of materials that can be recycled, including items banned from landfill disposal, with the assistance of DEAO grants.
- To reach the goals, it will target the materials listed in Table 4: Materials Targeted for Reduction.

• Table 4: Materials Targeted for Reduction

Reduction Method	Targeted Materials
Source Reduction	Junk mail, office paper, cardboard, packaging, household goods, hazardous materials, organic wastes
Recycling	Mixed papers, cardboard, aluminum, glass, plastics, steel cans, oyster shells, pallets, electronics
Composting	Fishing & agricultural wastes and residential food and yard wastes
Special Wastes	Scrap metals, white goods, tires, household hazardous wastes, paint, used motor oil, junk vehicles, construction and demolition materials, oil filters, electronics and TV's, Mercury-containing thermostats and Fluorescent bulbs, pesticide containers
Composting and Mulching	vegetative waste, untreated lumber, seafood wastes, agricultural byproducts and food wastes

IV. Planning Process and Public Participation

- Hyde County's Administrative and Water Department staff actively worked on this plan, and the Albemarle Regional Solid Waste Management Authority assisted.
- Hyde County compiled data from several sources into one planning document. Some of the sources for the data and specific information include solicited comments from residents, the County Manager, NC Department of Pollution Prevention and Environmental Assistance (DPPEA), County Planning Department, NC. Employment Security Commission, EPA, the East Carolina Environmental Landfill, the Dare County transfer station, Albemarle Regional Solid Waste Management Authority, NC Department of Corrections and private haulers.
- Copies of the plan were available at the County Clerk's office for review prior to the public meeting.
- Hyde County held an advertised public meeting at the County Commissioner's Meeting June 18, 2012 to discuss the current solid waste programs and possible changes that could be instituted. The Board of Commissioners passed the draft with a resolution at the June 18, 2012 County Commissioner's Meeting.

V. Solid Waste Programs

A. Source Reduction Programs

- The Regional Authority (ARSWMA) recycling coordinator promotes source reduction through educational programs to civic groups and to students in the schools. The programs include instruction on reducing, reusing, hazardous materials management, and composting. More frequent educational programs are needed so the Authority is planning to improve its existing programs and do more community outreach each year through 2022. The Authority will have source reduction information on its web site in 2012.
- The Hyde Correctional Institution practices several kinds of source reduction. Many supplies from state warehouses are transported in reused plastic totes, eliminating many cardboard boxes. Pallets are returned to the state warehouses.
- Some seafood and poultry businesses practice composting, so the waste is never part of the waste stream.

Intended Actions

- Staff in NC Cooperative Extension and the Authority will continue to encourage the residents of Hyde County to practice source reduction methods through 2022.
- The Authority plans to offer recycling and waste reduction information on a web site linked to the county's site in 2012.

B. Solid Waste Collection Program

- Hyde County’s Water Department oversees the solid waste management department.
- The site operators are Water Department employees. All sites are staffed.
- After studying the costs, the county decided to run its own sites beginning in 2011.
- The county stopped all contracts for curbside trash collection as of the end of 2011.
- The county owns most of the site equipment with the exception of the containers, and has a contract with David’s Trash Service to haul the containers.
- The county has installed two trash compactors at each site to reduce the volume of waste to make hauling more efficient.
- The county is operating three new convenience sites in Sladesville, Fairfield, and Ponzer.
- GDS, David’s Trash Service, Waste Industries have private contracts with businesses and institutions and with individuals doing construction and demolition projects to provide commercial dumpster and roll-off service throughout the county.
- Several small haulers are picking up trash from residents and small businesses, and some are adding recycling services. This provides local jobs.

Intended Actions

- The county intends to operate these six staffed drop-off sites through 2022.

Drop-off Site Addresses and Hours:

Ponzer 375 Smithwick Rd. Pantego, NC 27860
Scranton 3961 Sladesville Credle Rd. Scranton, NC 27875
Swan Quarter 488 Credle Rd. Swan Quarter, NC 27885
Fairfield 10438 Piney Woods Rd. Fairfield, NC 27826
Engelhard 36154 US Hwy 264 Engelhard, NC 27824
Ocracoke 1140 Irwin Garrish Rd. Ocracoke, NC 27860

Swan Quarter Engelhard Fairfield Scranton	<u>Monday</u> 7 AM to 12 Noon only <u>Tuesday and Wednesday</u> 7 AM to 12 Noon 1 PM to 4 PM <u>Thursday – Saturday</u> 9 AM – 12 Noon 1 PM – 6 PM <u>Sunday - Closed</u>
Ponzer	Monday & Wednesday 7 AM – 12 Noon 1 PM – 4 PM Saturday 9 AM – 12 Noon 1 PM – 6 PM <u>Sunday - Closed</u>
Ocracoke	Open Daily 8 AM – 5 PM

C. Recycling and Reuse

- Hyde County has dispensed with the curbside recycling program and instead provides recycling drop-off service the six collection sites. These sites are managed by the county and David's Trash Service is the contracted hauler. .
- The recyclable materials are currently taken to the East Carolina Vocational Center (ECVC) in Greenville for processing. The county will consider closer markets if they are developed.
- The cardboard and commingled recyclables roll-offs are removed from all sites un-compacted, and this is expensive. The county will use a DEAO grant in FY 2013 to install recycling compactors at the Engelhard Site and Fairfield sites to allow for hauling heavier loads to market, thus reducing costs.
- Hyde County welcomes residents and businesses, including those with ABC licenses, to use the drop-off recycling sites. The county staff is trained to encourage recycling.
- The county is keeping options open for diverting some C & D to processing facilities if they should open in the region if allowable by the Solid Waste Authority's contract.
- Some private solid waste haulers are starting to collect recyclables at the curbside. The county welcomes these recyclables at the sites.
- The materials collected include all glass containers, mixed paper and cardboard, Aluminum and steel cans, and all plastic bottles.
- In-house, government employees recycle all materials that are accepted at the sites, and county staff brings this material to the sites. The county is going to improve the municipal buildings recyclables collections in FY 2013 with a DEAO grant. They will install containers for the public to use inside and outside the public buildings and in parks.
- The county will work to include schools in its recycling programs by 2014. It may apply to NC DENR DEAO for a grant to assist with school recycling by 2014.
- NC Cooperative Extension Service works with NCDA & CS to provide pesticide container recycling for area producers. Extension plans to continue this program and request funding from the Pesticide Environmental Trust Fund (PETF) as needed through 2022.
- Pallets are frequently reused by businesses within the community.
- The county departments list used equipment that they wish to dispose of which other departments may then use, or it sells old equipment on Govdeals.com.

Intended actions

- Hyde County will continue to provide drop-off recycling programs through 2022.
- The county will continue to reuse equipment in-house through the year 2022.
- NC Cooperative Extension Service Agents will continue to promote reuse as a method of waste reduction, through the year 2022.
- The county will work to enforce the ordinances and codes for trash and recycling through 2022.
- The county may apply to NC DENR DEAO for a grant to assist with school recycling by 2014.

D. Composting and Mulching

- Yard waste is accepted at the sites in Engelhard, Ocracoke, and Swan Quarter. On Ocracoke Island the county chips the debris at the site. For the other sites the county hires contractors as needed to grind this material which is sent to markets.
- The Hyde Correctional Institution composts organic wastes from the kitchen and the garden on site, keeping it from entering the county's waste stream.
- Commercial seafood processors compost organic waste.
- Rose Acres Egg Farm composts organic waste and sells it to local producers for fertilizer.

Intended Actions

- Backyard composting will continue to be encouraged by the Extension Service and the Regional Authority through the year 2022. The Authority will put information on its web site in 2012.
- The county is exploring options for grinding yard waste at the Ocracoke site since it may need to replace the equipment and it is concerned with safety issues. The county plans to manage yard waste for Ocracoke through 2022.
- Yard waste will be accepted in the LICD sites through the year 2022.
- The Hyde Correctional Institution, Rose Acres Egg Farm, and commercial seafood processors will continue to compost organic wastes through the year 2022.

E. Disaster Response

- Hyde County has a disaster debris management plan. It has a contract with J. B. Coxwell Contracting, Inc. to clean up debris following storms. The county will rely on financial assistance from FEMA for hiring these contractors if and when it qualifies for disaster aid. The County Disaster Plan is attached.
- The county plans to use the Swan Quarter solid waste site property as a green-debris storage and grinding site. On Ocracoke Island, the airport and US Park Service parking lots will be used to store and then grind storm debris following storms.

Intended actions:

- Through the year 2022, the county intends to use North Carolina and FEMA funds for hiring contractors to clean up or grind debris following disasters.
- The county has plans to use the pre-approved sites at the Swan Quarter LCID site and other pre-approved sites on the mainland for storm debris storage. On Ocracoke Island it plans to use the US Park Service parking lot to store storm debris. The state thinks the Ocracoke Island debris site is a perfect example of a good site. It plans to burn debris when feasible. It will do this through the year 2022.

F. Incineration with Energy Recovery

- No solid waste incinerators are available in this region, and the county has a landfill disposal contract, so this is not an option.

G. Incineration without Energy Recovery

- No solid waste incinerators are available in this region, and the county has a landfill disposal contract, so this is not an option.

H. Solid Waste Sent Out of Geographic Area

- As a member of the Albemarle Regional Solid Waste Management Authority (ARSWMA), Hyde County has a disposal contract through the year 2035 with a private firm, Republic Services of North Carolina, operator of East Carolina Environmental (ECE) Landfill. All of the county's waste should be sent to the ECE Landfill near the town of Republican, in Bertie County.
- Since early 2012 the county began hauling all of its waste directly to the ECE Landfill to avoid the Dare County Transfer Station in Manns Harbor. Using the Dare County facility was more expensive.
- The county plans to use the Beaufort County Transfer Station in Washington, N. C. if it is feasible. This is due to a change in management of the transfer station and is allowed now in 2012 in the contract between the Authority and Republic Services.

Intended actions

- The county will follow the contract with Republic Services to bring waste either directly to ECE Landfill or use the Dare County or Beaufort County Transfer Stations through 2035.

I. Solid Waste Disposal

- The FY 11/12 tipping fee was \$67.09 per ton for all waste going through the Dare County Transfer Station in Manns Harbor. This included the residential and commercial waste from Ocracoke Island that was collected by contract with Dare County.
- Hyde County faces high waste transportation costs as well as high disposal fees. As a member of Albemarle Regional Solid Waste Management Authority (ARSWMA) the county has a contract through the year 2035 with Republic Services to use their East Carolina Environmental Landfill in Bertie County. At its nearest point the county is at least 50 miles from the Republic Services' owned municipal solid waste landfill that it uses, and the population centers are much further from the landfill.
- In late 2011 the county began having its contracted hauler bring all municipal waste directly to the East Carolina Environmental (ECE) Landfill near the village of Republican, in Bertie County. This is a savings, since when the waste was taken to the Dare County Transfer station a transfer fee (currently over \$26/ ton) was added on.
- Beginning in July 2012 the tipping fees are projected to be approximately \$41.31 per ton for waste delivered to that landfill, not including the state disposal tax.

- Private haulers usually take construction and demolition (C& D) debris, commercial, and industrial wastes directly to the ECE Landfill, with the hauler paying for that tonnage. However, local businesses are allowed to bring C & D and commercial waste to the drop-off sites.
- The Land Clearing and Inert Debris (LCID) Notification sites in Engelhard and Swan Quarter accept yard waste, cement, brick, logs, clean wood, stumps, clean soil, and asphalt. The county routinely has the materials on site bulldozed and it is ground up as needed. The county has stopped operating scales at these sites, so no charges except for business or household user fees apply.

Intended Actions

- Hyde County has a contract for waste disposal at Republic Services' ECE Landfill in Bertie County through 2035.
- The county plans to continue operating the LCID sites through the year 2022.

K. Special Waste Management

- County employees provide intra-county transportation of many of the special wastes.
- During FY 2011/2012 the county has opened up new convenience sites and now has containers for most special wastes. The white goods, oil containers, and tires are now contained on a gravel pad at each site and are removed to markets more often.
- The county has waste oil and oil filter containers for each of the sites. The county contracted with an Noble Oil to service the sites on a regular basis.
- Much of the C & D debris generated in the county is accepted at the drop-off sites, but the county recommends that builders rent a container from a hauling company for a large job. Those haulers may take C & D to the Dare County transfer station in Manns Harbor, the Beaufort County transfer station, or to the ECE Landfill. The county has installed a compactor for the construction and demolition debris so that heavier loads are hauled from the Island.
- Appliances (white goods) and scrap metals are accepted at each county site. A citizen collects the metals from the drop-off site at Ocracoke. The county has a business provide this service for the mainland sites. The county would like to purchase Freon recovery equipment and one or more sheds to store the equipment in. It would like to train employees to remove the Freon.
- Most pallets that come into the county are reused by businesses within the area. The county accepts wooden pallets in its LCID sites at this time, and they are sometimes recovered by businesses or they are ground into mulch. The county plans to continue this practice through 2022.
- Tires are collected at each of the sites, and those on Ocracoke Island must be taken to Swan Quarter. Tires are stored in trailers or containers and Central Carolina Tire Disposal picks up the tires at the Swan Quarter and Engelhard sites. Tire disposal is relatively expensive for the county due to the distance to market. The county may seek tire tax funding from NC DENR to make program improvements as needed through 2022.

- Unwanted and outdated agricultural chemicals (pesticides, herbicides, etc.) are collected every two or three years as a joint effort of NC Cooperative Extension Service and North Carolina Dept. of Agriculture and Consumer Services (NCDA & CS). This program is funded by NCDA & CS.
- No household hazardous waste collection is available for residents of the county.
- The county is working with the Authority to investigate shingles recycling, and will consider recycling them if it is feasible by 2016.
- The county began recycling thermostats containing Mercury and fluorescent bulbs in 2010 - 2011. The county plans to request financial assistance from the state for recycling fluorescent bulbs and thermostats and / or other objects containing Mercury by the year 2014.
- The county added an Electronics and TV Recycling Amendment to the ten-year plan in 2010 and began recycling those materials with the assistance of a DEAO grant. The program is a success. The county recycles the electronic materials with a fully certified contractor and will continue to do so. This 2010 Amendment is in Appendix H, Electronics Plan, followed by the 2012 Electronics Plan update and all of the required supporting documents.
- A county-run abandoned mobile home recycling program is not an option in the immediate future since the county has no designated funding, equipment or personnel available. The county will address this need as feasible through the year 2022.
- The county notes that scrap metals salvagers have demolished numerous abandoned mobile homes in recent years. The remaining demolition wastes are accepted at the county sites or the owner may rent containers and pay for disposal at the transfer stations or landfill.

Intended Actions

- N C Cooperative Extension intends to work with NCDA to conduct pesticide collections as they are needed through the year 2022.
- The county plans to seek white goods tax funds from NC DENR to improve purchase Freon-recovery equipment and one or more sheds to store it in, and to train staff to operate it by the year 2022.
- The county may seek to join the efforts of the regional Authority as feasible to conduct household hazardous waste collections through 2022.
- The county will address Mobile Home recycling as feasible through 2022.
- The county plans to request financial assistance from the state for recycling fluorescent bulbs and thermostats and / or other objects containing Mercury by the year 2014.
- The county will consider recycling shingles if it is feasible by 2016.

VI. Education

- The Authority (ARSWMA) recycling coordinator hosts displays and programs for the public at meetings as well as at schools. The topics covered include back yard composting, recycling, household hazardous waste (HHW), source reduction, and litter prevention. A major focus is improved recycling participation. The county needs stronger education and promotional programs, so the county will continue to improve on them through 2022.
- The Authority staff works with Hyde County staff to conduct site attendant training and to update printed and web-based recycling and solid waste information. This will continue through 2022.

Intended Actions

- NC Cooperative Extension and ARSWMA will continue to teach reduction, reuse, and recycling programs and do outreach into the community through the year 2022, plus they will work on developing new programs whenever possible.
- The Authority will conduct solid waste and recycling education programs and update printed information for site attendants through 2022.
- The county web site will make efforts to link its solid waste information site to the Authority web site in 2012.

VII. Prevention of Illegal Disposal and Management of Litter

- As in most communities, litter and illegal disposal are problems. Anti-littering education is taught to students, and the county would like to see more efforts in this area.
- Residents participate in seasonal Beach Sweeps and Big Sweeps on Ocracoke Island, and the mainland area residents voluntarily participate in Big Sweep and the Department of Transportation Adopt - A - Highway program.
- The county will be providing public spaces recycling containers in 2012/2013 with the help of a DEAO grant. This should reduce the amount of litter at parks, ball fields, and on town streets.
- The Hyde County Health Director, the County Manager, and the Sheriff's Department have the power to enforce the solid waste ordinance. This ordinance has criminal and civil penalties, not to exceed \$500 per violation. The criminal penalty also allows for imprisonment of not more than 30 days per violation. The Health Director can do investigations and can declare a nuisance or hazard, and get an injunction or assess a penalty, including putting a lien on property. However, the county has no enforcement officer dedicated to the littering and dumping issues. Without an officer, little action may be taken.
- Increased scrap metal prices have helped motivate some parties to remove abandoned mobile homes, junk cars, farm equipment, and other scrap metals from the region and send them to markets. Removing these nuisance items has improved the area without county expenditures.

Intended Actions

- Hyde County intends to work with county and state agencies to prevent illegal dumping and littering in the future. County officials will enforce its solid waste ordinance, applying the criminal and civil penalties as needed for violators of the ordinance through 2022.
- The county will continue to encourage volunteer participation in each of the cleanup programs and the Authority will continue anti-littering education in the schools through the year 2022.

VIII. Purchase of Recycled Materials and Products

- Hyde County does not have a buy-recycled policy, but some county departments purchase recycled computer paper, and recycled content paper is used for educational fliers. The county compares the price of recycled paper and other recycled goods and purchases them if it is less expensive than the alternative.
- The county will be purchasing recycled-content recycling containers with a DEAO grant in 2013.

Intended Actions

- Examine purchasing practices with the goal of increasing purchases of recycled content office supplies and other materials through 2022.

IX. Solid Waste Costs and Financing Methods

- The county has a structure of user fees for households and businesses.
- Commercial waste that is collected by private haulers is not regulated by the county.
- The county plans to bring some waste to the Beaufort County Transfer Station if feasible beginning in 2012. The price for disposal is still being negotiated.
- In FY 11/12 the county paid to manage approximately 4,201 tons of materials.
- The tipping fee at the Dare County transfer Station was \$69.07/ ton. The tip fee includes fuel surcharges for the management and transportation of waste that passes through the county transfer stations.
- The ECE Landfill in Bertie County charged \$43.15/ ton including the \$2.00/ ton landfill tax. No fuel surcharges are added to that fee for waste hauled directly to the landfill. These rates are increasing by 2.9% in FY 12/13, which will be \$43.31 including the \$2.00 / ton landfill tax.
- The county pays administrative fees for overhead operating expenses for the Solid Waste Management Authority.
- In FY 10/11 the county's total expenditures for managing municipal wastes including disposal, collections, recycling, and LCID site management was \$1,114,890. The figures in Table 5: Hyde County's Expenditures on Waste Management are as reported on the Local Government Solid Waste and Materials Management Annual Report to NC DENR.

Table 5: Hyde County's Expenditures on Waste Management

	Tons collected	Collection Costs	Disposal Costs	Total Cost including overhead	Calculated cost per ton managed
Municipal Solid Waste*	3,777	\$469,354	\$188,153	\$1,059,286	\$280.46
Reduction, Reuse, and Recycling	344	\$14,979	0	\$27,802	\$480.82
Yard Waste N/A	80	\$14,979		\$27,802	\$347.53
Calculated totals	4,201	\$499,312	\$188,153	\$1,114,890	\$265.39

* Includes collection and disposal services for facilities such as schools and county office buildings

Intended actions

- The county is trying to reduce its rising solid waste management and disposal costs. To do this, the county will try to reduce the amount of waste it must manage and to fairly charge for program costs to waste generators. Commercial waste tonnages are being separated from residential as much as possible and waste management service charges have increased for some businesses.
- The county plans to continue to study the costs of solid waste management in 2009 and compare the cost of contracting for services with doing the work in-house. The county will evaluate its practices annually through 2019 and to make changes as needed.

X. Facilities and Resources Available through Private Enterprise

GDS, Aulander, NC
Waste Industries, Greenville, NC
East Carolina Vocational Center, Greenville, NC
East Carolina Environmental Landfill, Aulander, NC
Carolina Recycling, Washington
Central Carolina Holdings (Tire), Sanford, NC
David's Trash Service, Inc., Bath, NC
Safety Kleen, Chesapeake Virginia
Noble Oil, Sanford, NC
Waste Management, Chesapeake, Virginia
United Salvage and Auto, Roanoke Rapids, NC
Beaufort County Transfer Station, Washington, NC

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Appendix A Resolution



HYDE COUNTY NORTH CAROLINA

Resolution

Hyde County Board of Commissioners

Resolution to Approve

The Hyde County

Solid Waste Management Plan Update

For 2012- 2022

WHEREAS, better planning for solid waste management will help protect public health and the environment, provide for an improved solid waste management system, better use our natural resources, control the cost of solid waste management; and

WHEREAS, North Carolina General Statute 130A-309.09A(b) requires each unit of local government, either individually or in cooperation with other units of local government, to develop a 10-year comprehensive solid waste management plan; and

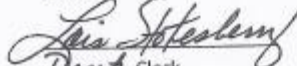
WHEREAS, Hyde County was actively involved in the planning process;

NOW, THEREFORE, BE IT RESOLVED that the Hyde County Board of Commissioners approves the comprehensive solid waste management plan.

Adopted this 18th day of June, 2012


Chairman

ATTEST:


Deputy Clerk

Appendix B
Copy of notice for public meeting

Board of Commissioners

Sharon Spencer, Chair
Dick Tunnell, Vice-chair
Darlene Styron
Barry Swindell
Anson Byrd

COUNTY OF HYDE

30 Oyster Creek Road
PO Box 188
SWAN QUARTER, NORTH CAROLINA 27885
252-926-4400
252-926-3701 Fax

Mazie Swindell Smith
County Manager

Fred Holscher
County Attorney



June 4, 2012

PUBLIC HEARING

Notice is hereby given that the Hyde County Board of Commissioners will conduct a Public Hearing during their regularly scheduled board meeting on June 18, 2012, beginning at 6:00 p.m. or as soon thereafter as the meeting agenda will allow. The meeting will be held at the Hyde County Government Center, 30 Oyster Creek Road, Swan Quarter, N.C., and in the Commons Area of Ocracoke School utilizing electronic conferencing equipment.

The purpose of the public hearing is to discuss the Albemarle Regional Solid Waste Management Authority 10-Year Plan.

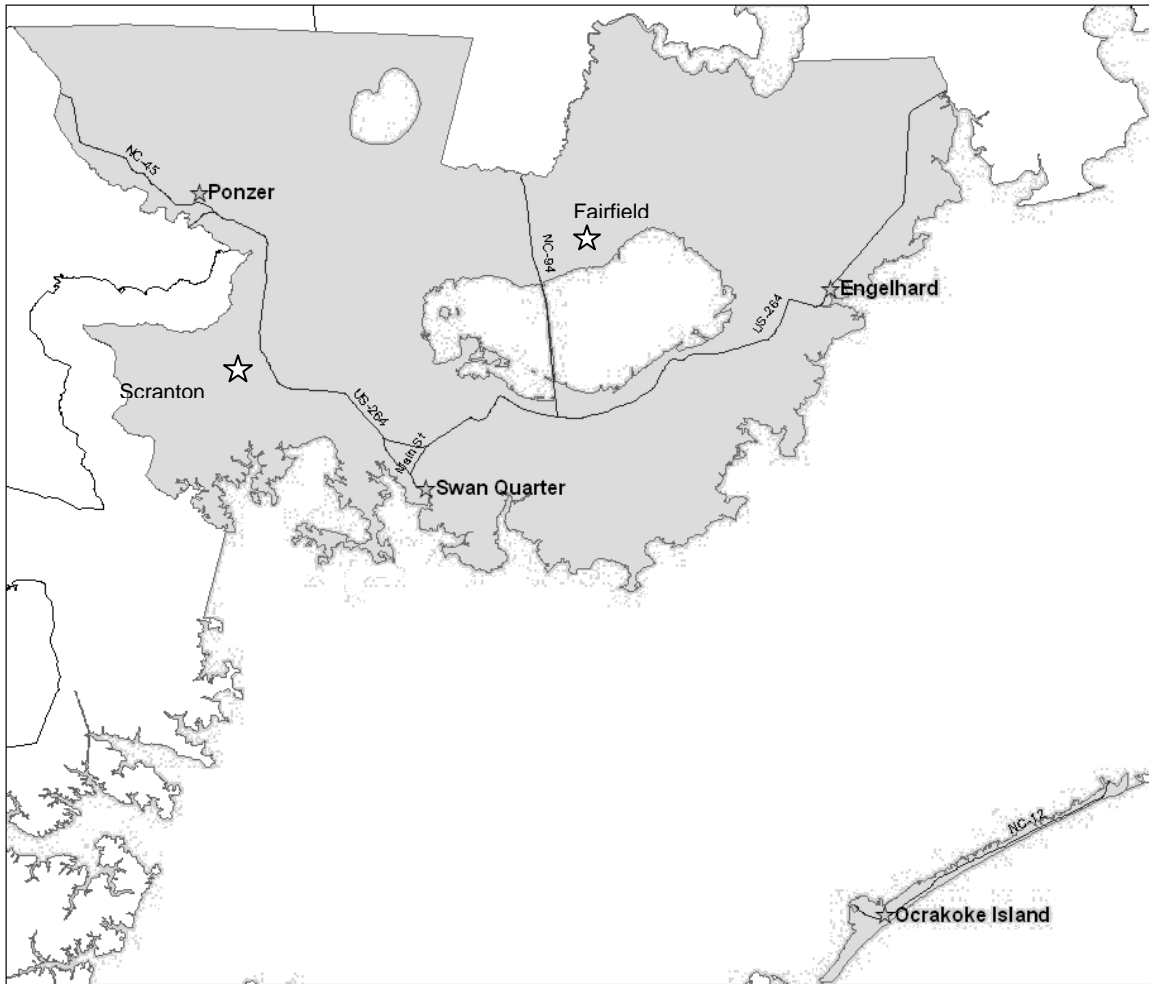
All interested citizens are encouraged to attend this Public Hearing, and all comments are welcome.

Lois Stotesberry
Deputy Clerk to the Board

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Appendix C Map of Facilities and Disposal Sites

Residential Waste Collection Sites are located in Engelhard, Swan Quarter, Fairfield, Ponzer, Scranton and Ocracoke Village



Appendix D
Part I
Hyde County Waste Stream Characterization

Descriptions of Non-Residential Waste Generated in Hyde County

Business or Institution Type	County's Estimate of Waste Generated
Seafood processors, fishing	Paper, cardboard, plastics, metals, wood, organic wastes, pallets, plastic film, rope, cable, electronics, shells, textiles, glass, Fluorescent bulbs, hazardous materials, motor oil and lubricants, oil filters
Government institutions, schools, public administration	Paper, cardboard, glass, plastics, metals, food waste, cooking oil, wood pallets, plastic film, electronics, shells, textiles, Mercury-containing thermostats and Fluorescent bulbs, vegetative debris, hazardous materials, motor oil and lubricants, oil filters, tires
Retail stores, leisure and hospitality, and other businesses	Paper, cardboard, metals, glass, pallets, cooking oil, plastics, food waste, textiles, wood, plastic film, electronics, shells, Mercury-containing thermostats, and Fluorescent bulbs, vegetative debris, hazardous materials, motor oil and lubricants, oil filters, tires
Health care institutions	Paper, cardboard, metals, glass, plastics, food waste, textiles, Fluorescent bulbs, Mercury-containing thermostats, regulated medical waste,
Agriculture sales and production, natural resources and mining	Paper, cardboard, plastics, metals, wood, organic wastes, pallets, plastic film, electronics, textiles, glass, Mercury-containing thermostats, Fluorescent bulbs, vegetative debris, hazardous materials, motor oil and lubricants, oil filters
Construction	Paper, cardboard, metals, glass, plastics, textiles, pallets, treated and untreated wood, roofing materials, paint and related coatings, drywall, land clearing debris, cement and related paving materials, Mercury-containing thermostats, and Fluorescent bulbs, vegetative debris, hazardous materials, motor oil and lubricants, oil filters

Appendix D Part II

Hyde County Workforce in Depth Report, 2011 NC Employment Security Commission

Hyde County		
Quarter Ending Sept. 30, 2011		
<u>Company Name</u>	<u>Industry Description</u>	<u>Employment</u>
1. STATE OF NC DEPT OF CORRECTION	Public Administration	100-249
2. HYDE COUNTY BOARD OF EDUCATION	Education & Health Services	100-249
3. COUNTY OF HYDE	Public Administration	100-249
4. ROSE ACRE FARMS INC	Natural Resources & Mining	100-249
5. THE EAST CAROLINA BANK	Financial Activities	50-99
6. N C DEPARTMENT OF TRANSPORTATION	Public Administration	50-99
7. OCRACOKE ISLAND REALTY	Financial Activities	50-99
8. MATTAMUSKEET SEAFOOD	Manufacturing	50-99
9. COASTAL HOME CARE AGENCY INC	Education & Health Services	Below 50
10. HOWARDS PUB	Leisure & Hospitality	Below 50
11. GAFFER'S SPORTS PUB	Leisure & Hospitality	Below 50
13. NATIONAL PARK SERVICE	Leisure & Hospitality	Below 50
13. JOLLY ROGER PUB & MARINA & SILVER L	Leisure & Hospitality	Below 50
15. EAST COAST EQUIPMENT	Trade, Transportation & Utilities	Below 50
15. MARTELLE'S	Leisure & Hospitality	Below 50
17. OCRACOKE VARIETY STORE	Trade, Transportation & Utilities	Below 50
17. STARBUCKS CORPORATION	Leisure & Hospitality	Below 50
20. APX ALARM SECURITY SOLUTIONS INC	Construction	Below 50
20. PRECISION CUSTOM FARMING LLC	Natural Resources & Mining	Below 50
20. BACK PORCH RESTAURANT INC	Leisure & Hospitality	Below 50
23. WILLIAMS MARKETS INC	Trade, Transportation & Utilities	Below 50
23. PRECISION PALLET LLC	Manufacturing	Below 50
23. DAJIO INC	Leisure & Hospitality	Below 50
25. ALLIGATOR RIVER GROWERS	Natural Resources & Mining	Below 50
25. STATE OF NC DEPT OF AGRICULTURE & C	Public Administration	Below 50

Source: QCEW; North Carolina Department of Commerce, Labor and Economic Analysis Division

Appendix D
Part III
EPA Waste Stream Characterization

***United States Waste Composition and Material Recovery from
Residential, Commercial, and Institutional Sources***

Table 1. Generation and Recovery of Materials in MSW, 2010* (in millions of tons and percent of generation of each material) Material

	Weight Generated	Weight Recovered	Recovery as Percent of Generation
Paper and paperboard	71.31	44.57	62.5%
Glass	11.53	3.13	27.1%
Metals			
Steel	16.90	5.71	33.8%
Aluminum	3.41	0.68	19.9%
Other nonferrous metals†	2.10	1.48	70.5%
Total metals	22.41	7.87	35.1%
Plastics	31.04	2.36	7.6%
Rubber and leather	7.78	1.17	15.0%
Textiles	13.12	1.97	15.0%
Wood	15.88	2.30	14.5%
Other materials	4.79	1.41	29.4%
Total materials in products	177.86	64.78	36.4%
Other wastes			
Food, other‡	34.76	0.97	2.8%
Yard trimmings	33.40	19.20	57.5%
Miscellaneous inorganic wastes	3.84	Negligible	Negligible
Total other wastes	72.00	20.17	28.0%
Total municipal solid waste	249.86	84.95	34.0 %

* ♦ Includes waste from residential, commercial, and institutional sources.

† ♦ Includes lead from lead-acid batteries.

‡ ♦ Includes recovery of other MSW organics for composting. Details might not add to totals due to rounding. Negligible = Less than 5,000 tons or 0.05 percent.

Significant amounts of material from each category were recycled or composted in 2010. The highest recovery rates were achieved in paper and paperboard, yard trimmings, and metals. We recycled more than 62 percent of the paper and paperboard we generated. Over 19 million tons of yard trimmings were composted, representing almost a five-fold increase since 1990. Recycling these three materials alone kept almost 29 percent of MSW out of landfills and combustion facilities. Recycling amounts and rates (recovery as a percent of generation) for all materials in 2010 are listed in Table 1.

Source: http://www.epa.gov/osw/nonhaz/municipal/pubs/msw_2010_factsheet.pdf

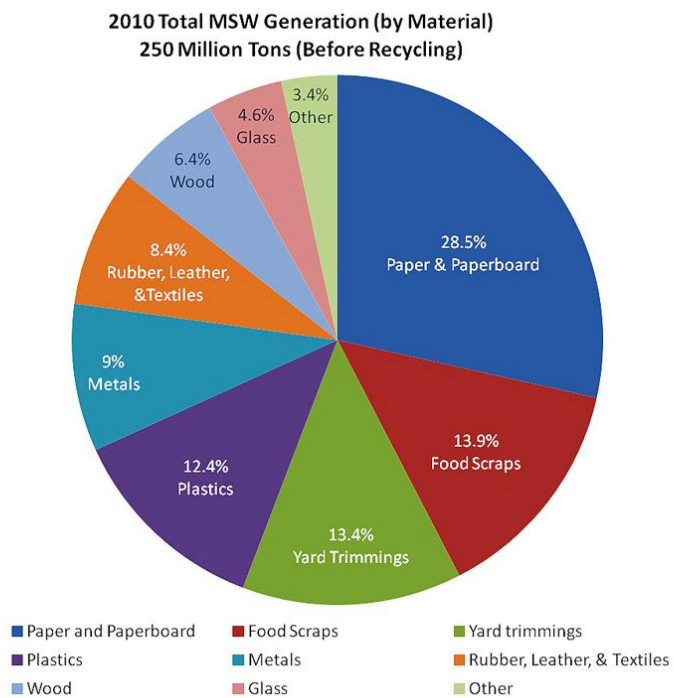
Appendix D Part IV United States Total MSW Generation, 2010

250 Million Tons (before recycling)

This pie chart from the US EPA depicts the percentage by which different materials contribute to the municipal solid waste stream. This information can be found at: <http://www.epa.gov/waste/nonhaz/municipal/index.htm>

The breakdown is as follows:

- Paper: 28.5%
- Food Scraps: 13.9%
- Yard Trimmings: 13.4%
- Plastics: 12.4%
- Metals: 9.0%
- Rubber, Leather, and Textiles: 8.4%
- Wood: 6.4%
- Glass: 4.6%
- Other: 3.4%



Appendix E

WASTE REDUCTION GOAL SHEET NC LOCAL GOVERNMENT TEN YEAR SOLID WASTE MANAGEMENT PLAN

Local Government Name: Hyde County
 Previously established waste reduction goal: 20 %
 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: 20 %

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.

CALCULATION

FY 2022

1. Baseline year per capita disposal rate (FY 1991-1992 unless alternate approved by Section)	0.98
2. Percent waste reduction goal	20%
3. Targeted per capita disposal rate (Subtract line 2 from 1.0 and multiply result by line 1)	.78
4. Estimated population in the new waste reduction goal year (Available at Office of State Budget and Management website: Projected Annual County Population Totals 2010-2019)	5,268
5. Projected tonnage for disposal at baseline disposal rate (Multiply line 1 by line 4)	5,163
6. Targeted annual tonnage for disposal (Multiply line 3 by line 4)	4,109
7. Targeted annual tonnage to reduce (Subtract line 6 from line 5)	1,054

Population Link:

http://www.osbm.state.nc.us/ncosbm/facts_and_figures/socioeconomic_data/population_estimates/demog/cpa2010p.html

WASTE REDUCTION PLAN

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

Tons by recycling 450 Tons by education 50 Tons by managing special wastes 200 Tons by source reduction 200 Tons by composting 154
--

Appendix F
Planning Elements
NC Local Government 10 Year Solid Waste Management Plan
Planning years 2012-2022

Source Reduction

Completed Actions

- Source reduction measures are in place at the Hyde Correctional Institution
- The county did use the pay-as-you-throw program but ended it in 2010.

Incomplete Actions

- Publish informational fliers to encourage residents to practice source reduction By 2010
- The Authority plans to offer recycling and waste reduction information on a web site linked to the county's site by the year 2010 – moved back to 2012.

Why Incomplete? Work in progress, including web site to be complete in 2010

New / Revised Actions

- Staff in NC Cooperative Extension and the Authority will continue to encourage the residents of Hyde County to practice source reduction methods through 2019.
- The Authority plans to offer recycling and waste reduction information on a web site linked to the county's site in the year 2012.

Estimated tons diverted in 10th year 200

Recycling and Reuse

Completed Actions

- Study the feasibility of continue curbside and drop-off recycling programs. Completed 2009.
- NC Coop. Extension and Community Service to promote reuse and recycling Ongoing
- The county added #1 - # 7 plastic bottles in 2009.

Incomplete Actions

Why Incomplete?

New / Revised Actions

Key Actions

- Continue to provide drop-off recycling programs through 2022.
- The county will continue to reuse equipment in-house through the year 2022.
- NC Cooperative Extension Service will continue to promote reuse through the year 2022.
- The county will work to enforce the ordinances and codes for trash and recycling by 2022
- County to purchase more recycling containers for public spaces indoors and out in FY 2013.

Due Date

Estimated tons diverted in 10th year 450

Collection

Completed Actions

- Made improvements at the mainland sites with a DENR grant and county funding.
- Made a decision to provide all collection services in-house, and completed this by Jan. 2012
- If the county installed two trash compactors at the Engelhard Site in 2011.
- The county ended the collection contract with Dare County for Ocracoke Island service in 2011.

Incomplete Actions

Why Incomplete?

New / Revised Actions

- The county intends to operate these six staffed drop-off sites through 2022.
- The county intends to provide educational programs for the independent trash haulers through 2022.

Due Date by 2011.

Estimated tons diverted in 10th year N/A

Transfer outside geographic area

Completed Actions

Key Actions

- Send more municipal waste directly to the ECE landfill to reduce costs. Completed 2007.
- Need new disposal/ transfer station contract by 2013 transfer is guaranteed through 2035. Completed 2009.

Incomplete Actions

Why Incomplete?

New / Revised Actions

- The county will follow the contract with Republic Services and will use the Dare County transfer station or haul waste directly to ECE Landfill through 2035.

Due Date

Estimated tons diverted in 10th year N/A

Disposal

Completed Actions

- Extend the contract for MSW disposal and transportation options beyond 2013. This has been extended to 2035

Key Actions

Incomplete Actions

Why Incomplete?

New / Revised Actions

- The County plans to continue operations of the LCID sites through 2022
- The county is considering adding a trash compactor at the Engelhard Site for bagged waste and bulky wastes to reduce hauling charges. About 2012.

Due Date

Estimated tons diverted in 10th year N/A

Purchasing Recycled Products

Completed Actions

- The county increased its purchases of recycled content items. 2008

Incomplete Actions

Why Incomplete?

New / Revised Actions

- Examine purchasing practices with the goal of increasing purchases of recycled content office supplies and other materials Through 2022

Due Date Through 2022

Estimated tons diverted in 10th year

- Some county departments purchase recycled computer paper when feasible. Recycled content paper is used for educational fliers.

Intended Actions

- The county intends to increase its recycled content purchasing through the year 2022.
- Purchase recycled content recycling containers for public spaces in 2012.

Incineration (with or without energy recovery)

Completed Actions

Key Actions

Incomplete Actions

Why Incomplete?

New / Revised Actions

No solid waste incinerators are available in this region, and the county has a landfill disposal contract, so this is not an option.

Due Date through 2035

Estimated tons diverted in 10th year N/A

Illegal Disposal / Litter

Completed Actions

- Key Actions Volunteer groups conduct annual beach and waterway cleanups Ongoing
- Continue public education campaigns and work with county and state agencies to prevent illegal dumping and littering Ongoing

Incomplete Actions

Why Incomplete?

New / Revised Actions

- Work with county and state agencies to prevent illegal dumping and littering through 2022.
- County officials will enforce its solid waste ordinance, applying the criminal and civil penalties as needed for violators of the ordinance through 2022.
- The county will continue to encourage volunteer participation in each of the cleanup programs and the Authority will continue anti-littering education in the schools through the year 2019.

Due Date

Estimated tons diverted in 10th year N/A

Composting and Mulching

Completed Actions

- The correctional Institution and seafood processor continue to compost organic wastes
- Yard waste will be accepted in the LICD sites and ground up to reduce size through 2022
- Continue to grind materials at the Ocracoke site and give away the wood chips if feasible

Incomplete Actions

- Continue to teach methods of composting and encourage backyard composting

Why Incomplete?

- No staff time available in recent years

New / Revised Actions

- Encourage and provide information about backyard composting and backyard composting through 2022, mainly through the Authority web site.

Due Date

Estimated tons diverted in 10th year 154

Special Wastes

Completed Actions

- The county added recycling Fluorescent bulbs and Mercury-containing thermostats in 2010.
- The county began an electronics and TV recycling program. 2010
- The county added oil filter recycling. 2009
- The county reuses or mulches of pallets. 2009

Incomplete Actions

- Hold HHW collections as funding through the Authority is available
- The county plans to seek white goods tax funds from NC DENR to improve purchase Freon-recovery equipment and one or more sheds to store it in, and to train staff to operate it by the year 2012.

•

Why Incomplete?

- No funding available since 2007
- Freon recovery not pursued yet

Why Incomplete?

- The contractors remove the Freon, but the county will consider this.

Why Incomplete?

New / Revised Actions

Key Actions

- N C Cooperative Extension intends to work with NCDA to conduct pesticide collections as they are needed through the year 2022.
- No household hazardous waste collection is available for residents of the county, but it may seek to join the efforts of the regional Authority as funds and personnel are available to manage such a program, at any time through 2022.
- The county will address mobile home recycling as needed through 2022.

Due Date

Estimated tons diverted in 10th year 200

Education

Completed Actions

- Authority staff teaches reduction, reuse, and recycling programs in the community.
- The Authority will conduct solid waste and recycling education programs and update printed information for site attendants.

Incomplete Actions

- The Authority will update Hyde County information on its web pages by 2009.
- Continue PAYT education

Why Incomplete?

- PAYT was ended in 2010, and web site work was not completed yet.

New / Revised Actions

Key Actions

- Continue to teach reduction, reuse, and recycling programs and work on developing new programs through the year 2022.
- Conduct solid waste and recycling education programs and update printed information for site attendants in 2009 and as needed through 2022.
- The county web site will try to link its solid waste information site to the Authority web site in 2012.

Due Date through 2022

Estimated tons diverted in 10th year 50

Disaster Response

Completed Actions

- The county has a disaster mitigation plan and a disaster debris grinding contract.

Key Actions

Incomplete Actions

Why Incomplete?

New / Revised Actions

Key Actions

- The county will hire contractors to clean up or grind debris following the storms, and use FEMA funds for hiring contractors through 2022.
- The county will use the Swan Quarter convenience site and the airport and US Park Service parking lot on Ocracoke as temporary green sites through 2022.
- The county plans to burn storm debris when allowed by the state and FEMA through 2022

Due Date through 2022

Estimated tons diverted in 10th year N / A

Appendix G

Disaster Response Plan

http://www.hydecountync.gov/departments/emergency_services.php

Appendix H Electronics Plan Part I

10- YEAR SOLID WASTE MANAGEMENT PLAN AMENDMENT Electronics Recycling in Hyde County, NC

Approved December 2010

1. Information on the existing electronics programs within the jurisdiction of Hyde County.

Hyde County intends to begin operating an electronics and TV recycling program in the beginning of 2011. The county will provide opportunities to recycle at the county convenience sites. The program will serve the residents, businesses, institutions, schools, and other government agencies. The program will recycle these materials and more: CRTs, TV's, hard drives, printers, fax machines, copiers, and other miscellaneous electronic equipment. Hyde County will contract with a fully certified electronics recycling company that is in compliance with the requirements of the State of North Carolina.

The materials will be collected in electronics waste recycling trailers that will be staged at the two busiest convenience sites. These sites are staffed and maintained by the county. County staff will palletize the electronics using boxes and shrink wrap. The staff will routinely consolidate these materials at one location prior to the recycling company's arrival. Creative Recycling will pick the materials up and transport them to their facility for recycling.

2. Information on the Hyde County public awareness and education programs.

Staff of the Hyde County Water Department and the Albemarle Regional Solid Waste Management Authority will educate the residents and government and private sector workers about the availability of the electronics and TV recycling program. They will design signage and flyers for the program, will post this information on the county web site, and will get articles put into the local newspapers and newsletters. Flyers will be distributed at the convenience sites, at the county offices, and in the schools. Signs on the trailers and at the convenience sites will promote the program.

3. Information on how Hyde County will track and report total tonnage.

For each load it collects, Creative Recycling will send to Hyde County a statement that lists the tonnage of materials broken down by computer equipment, televisions, and other electronic material, plus the number of TV's. This information will be reported on the county's Solid Waste & Materials Management Annual Report to DENR.

4. Information on how Hyde County will work with other local governments.

The county has no municipalities, but will cooperate with the other government agencies that operate in the area. The county plans to use the same recycling company that neighboring Dare County uses, so that the company may schedule collections in this rural area as efficiently as possible.

5. Information on how Hyde County will use state funds.

Hyde County will use the State funding for educational efforts and for supplies and equipment to handle electronics waste. The county will set up budget lines for Electronics Program Revenues and Expenses.

Appendix H Electronics Plan Part II

2012 Current program information

1. **Hyde County Electronics Program.** Electronics are accepted at each of the county's six recycling / solid waste collection sites. County staff consolidates the electronics at the Engelhard site. The materials sit on pallets on the ground at four of the sites and in trailers at two sites. The county staff uses the two electronics trailers to collect the materials from the sites. The county stores the materials on pallets or on the trailers until it accumulates enough for Creative Recycling to collect. The company helps with palletizing the electronics using Gaylord boxes and shrink wrap. **The county recycles these materials:** CRTs, TVs, hard drives, scanners, fax machines, copiers, VCRs, telephones, DVD players, mice, printers, radios, cords, medical electronics, rechargeable batteries, surge protectors and other misc. electronic equipment.
2. **Public Awareness.** The electronics program is promoted through press releases, educational presentations, the county educational brochure, and in handouts such as the one seen on the next page. The brochure is on the county web site http://www.hydecountync.gov/departments/docs/Hyde_solid_waste_and_recycling_services_trifold_brochure_2011_2.pdf
3. **State requirement tonnage tracking.** The county tracks when it collects electronic materials from each of the sites, but does not weigh these items. The vendor is responsible for reporting to Hyde County the weights of electronics and numbers of TV's that it accepts. Each invoice or receipt from the vendor provides this information. This information is reported in the Local Government Annual Report to DENR.
4. **Participants in the program.** Hyde County has no towns, so the county is the sole participant in the electronics recycling program. The county accepts residential, institutional, governmental and commercial TV's and electronics.
5. **Vendor:** Hyde County exclusively uses the vendor Creative Recycling and plans to continue with that vendor for the upcoming year. The county will only contract with a vendor that is e-Steward or R2 certified in the future.
6. **Revenues and Expenses:** Hyde County managed the Electronics funds in this manner: Hyde County deposits these funds into the budget line: 103460-0030 Electronics Funds. The funds were spent from a designated expense line 105750-3100 Gas – Oil - tires. That line is used since the primary expense is transporting the electronics to the central collection site. In the near future the county plans to use the funds for CRT recycling fees if necessary, purchase one or more electronics trailers, and packing supplies as needed. It would eventually like to build a building or shelter to use for sorting, storing and palletizing the electronics.

**Appendix H
Electronics Plan
Part III
Educational Materials**



Hyde County Electronics Recycling

These are accepted the each of the solid waste and recycling drop-off sites


Acceptable items

- Laptops Cell Phones PDA's Telephones Answering Machines
- Computer Monitors & Televisions including LCD, LED, and Plasma
- Computers Hand Held Computers Hard Drives Computer peripherals Servers
- DVD & CD Players VCR's, Consumer Electronics Printers Scanners Fax Machines
- Copy Machines Office Electronics
- Printed Circuit Boards CD's/Video Cassettes/Beta/DAT Tapes Calculators Rechargeable Batteries
- Telecommunications Equipment Main Frames Power Supply Units Connectors and Cables
- Radios Stereo equipment Tape Players/recorders Phonographs

For more information regarding solid waste disposal and recycling in Hyde County please contact **Superintendent James Blount** at **252-926-4196** or visit the web site www.hydecounync.gov.

Appendix H Electronics Plan Part IV

FY 2012 Invoices from Creative Recycling



CRS Holding of America
8108 Krauss Blvd.
Ste. 110
Tampa, FL 33619

Invoice/Certificate of Recycling

LOT #	Service Date	Invoice #
	4/12/2012	57943

Phone #	813-621-2319	Fax #	
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PAID	
-------------	--

Bill To	
Hyde County Solid Waste Attn: James Blount 30 Oyster Creek Road Swan Quarter, NC 27885	

Service Location	
Hyde County Solid Waste Engelhard Convenience Site 36154 US 264 Engelhard, NC 27824	

BOL #	Weight Ticket #	PO #	Invoice Date	Terms	Due Date
			4/17/2012	Net 30	5/17/2012

Description	Quantity	Net Weight	Billable Units	Rate	Amount
PCs	1	20		0.00	0.00
Monitors CRT	3	107		0.00	0.00
TVs CRT	65	5936		0.00	0.00
Large Computer Peripherals: Printers, Fax Machines, Scanners	10	333		0.00	0.00
Miscellaneous Items		493		0.00	0.00
Total Weight: 6889 lbs					
Total					\$0.00
Payments/Credits					\$0.00
Balance Due					\$0.00

Creative Recycling certifies that the above listed material has been processed in our RC/RPCS, ISO 14001, ISO 9001 and OHSAS 18001 certified facility in accordance with all Federal, State, and local law regulations. This document also serves as the Certificate of Media Destruction and/or Sanitization verifying that all media containing devices from the material included in this inventory were destroyed or sanitized in accordance with NIST 800-88 standards.



CRS Holding of America
 8108 Krauss Blvd.
 Ste. 110
 Tampa, FL 33619

Invoice/Certificate of Recycling

Phone #	813-621-2319	Fax #	
---------	--------------	-------	--

LOT #	Service Date	Invoice #
	4/30/2012	59124

Bill To
 Hyde County Solid Waste
 Attn: James Blount
 30 Oyster Creek Road
 Swan Quarter, NC 27885

Service Location
 Hyde County Solid Waste
 Engelhard Convenience Site
 36154 US 264
 Engelhard, NC 27824

BOL #	Weight Ticket #	PO #	Invoice Date	Terms	Due Date
			4/30/2012	Net 30	5/30/2012

Description	Quantity	Net Weight	Billable Units	Rate	Amount
PCs	4	89		0.00	0.00
Monitors CRT	5	189		0.00	0.00
TVs CRT	32	2469		0.00	0.00
Large Computer Peripherals: Printers, Fax Machines, Scanners	7	149		0.00	0.00
Miscellaneous Items		2463		0.00	0.00
Total Weight: 5359 lbs					
Total					\$0.00
Payments/Credits					\$0.00
Balance Due					\$0.00

Creative Recycling certifies that the above listed material has been processed in our R2/R30S, ISO 14001, ISO 9001 and OHSAS 18001 certified facility in accordance with all Federal, State, and local law regulations. This document also serves as the Certificate of Media Destruction and/or Sanitization verifying that all media containing devices from the material included in this inventory were destroyed or sanitized in accordance with NIST 800-88 standards.



CRS Holding of America
 8108 Krauss Blvd.
 Ste. 110
 Tampa, FL 33619

Invoice/Certificate of Recycling

Phone #	813-621-2319	Fax #	
---------	--------------	-------	--

Service Date	Invoice #
2/3/2012	53708

Bill To
Hyde County Solid Waste Attn: James Blount 30 Oyster Creek Road Swan Quarter, NC 27885

Service Location
Hyde County Solid Waste Engelhard Convenience Site 16154 US 264 Engelhard, NC 27824

BOL	Weight Ticket #	P.O. No.	Invoice Date	Terms	Due Date
			2/24/2012	Net 30	3/25/2012

Description	Quantity	Net Weight	Billable Units	Rate	Amount
PCs	29	891		0.00	0.00
Laptops	2	16		0.00	0.00
Monitors CRT	20	751		0.00	0.00
Monitors LCD	4	51		0.00	0.00
TVs CRT	101	7298		0.00	0.00
TVs LCD	1	33		0.00	0.00
Large Computer Peripherals: Printers, Fax Machines, Scanners	89	2896		0.00	0.00
Miscellaneous Items		3024		0.00	0.00
Total Weight: 14,960 lbs					
				Total	\$0.00
				Payments/Credits	\$0.00
				Balance Due	\$0.00

Creative Recycling certifies that the above listed material has been processed in our R2/RIOS, ISO 14001, ISO 9001 and OHSAS 18001 certified facility in accordance with all Federal, State, and local law regulations. This document also serves as the Certificate of Media Destruction and/or Sanitization verifying that all media containing devices from the material included in this inventory were destroyed or sanitized in accordance with NIST 800-88 standards.

James Blount

From: Phil hughes [phughes@crserecycling.com]
Sent: Wednesday, December 05, 2012 10:47 AM
To: jblount@hydecountync.gov
Subject: Creative Recycling - Numbers July 2011 - July 2012

Hey James,

Good catching up with you yesterday and as a follow up to your request, here are the numbers you were looking for (In pounds), from July of 2011 to August of 2012. Please let me know if you need any other information and I'll be happy to help.

Here are the dates (And weights) of of each pickup since July of 2011 - August of 2012:

Pickup Date	Weight
7/13/2011	6987
7/28/2011	5334
8/10/2011	3287
8/17/2011	3023
9/9/2011	2284
11/2/2011	6722
12/6/2011	6427
2/3/2012	14960
4/12/2012	6889
4/30/2012	5359
8/7/2012	8621

69,893 Total Weight Collected

Thanks again and have a great day!

Sincerely,

Phil Hughes | Account Manager
Creative Recycling Systems | CRSeRecycling.com
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CERTIFICATE OF REGISTRATION

AQA International, LLC attests that

Creative Recycling Systems of North Carolina, LLC
619 Distribution Drive
Morrisville, North Carolina 27560

with a scope of:


Electronics Recycling - The Diversion of End-of-Life/Surplus Devices From the Waste Stream by the Re-Use and/or Recycling of Such Electronic Devices

has established an Environmental Management System that is in conformance with International Environmental Standard ISO 14001:2004 and

e-Stewards

Standard for Responsible Recycling and Reuse of Electronic Equipment® (Version 1.0)

Certificate No.:	US00012559
Initial Registration:	10/22/2012
Registration Date:	10/22/2012
Expiration Date:	10/21/2015
Issue Number:	10000012


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