ALEXANDER COUNTY AND TOWN OF TAYLORSVILLE
SOLID WASTE MANAGEMENT PLAN – JULY 1, 2012-JUNE 30, 2022
2012 THREE-YEAR UPDATE

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I. LOCAL CONTACTS

- Rick French – Alexander County Manager
- Josh Mitchell – Alexander County Solid Waste Director
- David Odom – Town of Taylorsville Manager

IA. SOLID WASTE FACILITIES & DISPOSAL SITES

ALEXANDER COUNTY LANDFILL / TRANSFER STATION
2500 PAYNE’S DAIRY ROAD
TAYLORSVILLE, NC  28681
(828)632-9467

IA. SOLID WASTE EMERGENCY DEBRIS STAGING SITES

EAST ALEXANDER PARK
201 EAST ALEXANDER PARK LANE
HIDDENITE, NC  28636

JAYCEE PARK
181 JAYCEE PARK LOOP
TAYLORSVILLE, NC  28681

DUSTY RIDGE PARK
360 DUSTY RIDGE ACCESS ROAD
TAYLORSVILLE, NC  28681

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II. PUBLIC PARTICIPATION

The 2012 three-year update to the Alexander County Ten-Year Solid Waste Management Plan was completed by Alexander County Solid Waste Department Staff. The staff reviewed the previous plan updating where necessary and including any changes foreseen during the upcoming three year period. A public meeting was held May 24, 2012 to collect feedback from the public on the proposed three year update. All comments, concerns, and ideas from the public meeting were considered during the development of the plan.

Meeting notice submitted to The Taylorsville Times (a weekly publication) on Wednesday, May 16, 2012 & Wednesday, May 23, 2012.
ACHS Class of '77 plans 35-year reunion this fall

The 1977 graduating class of Alexander Central High School will hold their 35-year reunion on October 27, 2012. The location will be "The Warehouse" in Hickory. Any classmates from the Class of 1977 are urged to call one of the following contact persons and leave a message with their name, phone number, and address: Carmen Brockshire, 828-445-1934; Jeff Sharpe, 828-833-7436; or they may email Jennifer Mull at jmmull001@yahoo.com.

Meeting set May 24 on County's 10-Year Solid Waste Plan

There will be a public meeting held at the Alexander County Landfill on Thursday, May 24, at 5:00 p.m. The purpose of this meeting is to discuss the County's 10-year update to the 10-Year Solid Waste Management Plan. The plan is available for review at the Alexander County Landfill Scalehouse.

Summer cultural opportunity for children planned June 25-29

"Que Rico! (How rich)!" That's the theme for a week-long day camp, June 25-29, designed to help youth learn more about the world around them. The sessions are 9 a.m.-12 p.m. each day at the N.C. Cooperative Extension Center, located at 376 First Avenue SW, in Taylorsville. The camp is open to all youth ages 7 and older.

Activities are designed to foster an understanding of the Latino culture and encourage appreciation of the differences and similarities of people throughout the world.

Each day, "Que Rico!" will explore a different aspect of the Latino culture including crafts, foods, celebrations, the visual arts, and the textiles. The concluding day on Friday, will be a celebration featuring a field trip to a local Mexican restaurant and breaking a piñata made by the group during the week.

Registration fee is $30, which includes all class materials and the closing field trip. For additional information or to register call the Cooperative Extension Center at 828-392-3125.

— Alexander County grand planting at their office at 1565 NC bean tepee, swimming straw bale herb cutting vegetables. The public Thursday, 8 a.m. to Outreach Facilitator, at as they plant potatoes host: Isaac Chapman, son and Marcia Schillenwenz; Schillenwenz, son of Guy family Fox.

CASH 4 GOLD
III. WASTE CHARACTERIZATION

According to the County Waste Disposal Report generated by the NC Solid Waste Section for fiscal year 2010-2011, Alexander County had 20,069 tons land filled in the County’s name. The majority of the waste, 17,657 tons was disposed of at the Republic Services owned Foothills Environmental in Caldwell County, and 2,412 tons disposed in Alexander County’s C&D landfill.

The waste disposed in both the Foothills Environmental MSW and C&D landfill has decreased since fiscal year 2007-2008 when the collapse of the housing and financial markets occurred. In fiscal year 2007-2008 there were 21,439 tons disposed in at Foothills Environmental landfill and 2,167 tons in the Alexander County C&D. The per capita disposal rate for that year was .64 tons per person. In fiscal year 2010-2011, the last full reporting year, there were 17,657 tons disposed in the MSW and 2,412 tons in the C&D landfill. The per capita disposal rate was 0.54 tons per person. The overall decrease in waste from fiscal year 2007-2008 to fiscal year 2010-2011 is 15% and the reduction in the per capita waste is 16%.

The County’s reported recycling for FY 2010-2011 is a total of 2,891 tons which is comprised of 139 tons of glass, 185 tons of plastic, 260 tons of metals, 1,545 tons of paper and the remainder is other materials such as electronics, textiles, pallets, etc.

IV. WASTE REDUCTION GOAL

See WASTE REDUCTION GOAL SHEET on next page
WASTE REDUCTION GOAL SHEET
NC LOCAL GOVERNMENT TEN YEAR SOLID WASTE MANAGEMENT PLAN

Local Government Name: Alexander 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: 35 %

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 21-22 |
|-----------------|-----------------|
| 1. Baseline year per capita disposal rate |
| (FY 1991-1992 unless alternate approved by Section) | 0.90 |
| 2. Percent waste reduction goal | 35 % |
| 3. Targeted per capita disposal rate |
| (Subtract line 2 from 1.0 and multiply result by line 1) | 0.69 |
| 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) | 41,279 |
| 5. Projected tonnage for disposal at baseline disposal rate |
| (Multiply line 1 by line 4) | 37,151 |
| 6. Targeted annual tonnage for disposal |
| (Multiply line 3 by line 4) | 28,483 |
| 7. Targeted annual tonnage to reduce |
| (Subtract line 6 from line 5) | 8,668 |


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

5,000 tons by increasing recycling
3,000 tons by source reduction
668 tons by utilizing composting/mulching
V. WASTE HANDLING CHARACTERIZATION

Primary method/process and disposal facility for the following waste types from the geographic area covered by the plan:

a. **Municipal Solid Waste (MSW)** is brought to the convenience centers and landfill by county residents. MSW is also brought to the landfill by private haulers. Convenience center MSW is brought to the Alexander County transfer station by county employees in county trucks. MSW is picked up at the transfer station by GDS and taken to Foothills Environmental Landfill (A GDS Landfill) in Caldwell County. The Town of Taylorsville collects MSW through a contract with GDS, Inc.

b. **Construction and Demolition Waste (C&D)** is brought to the Alexander County landfill by residents and private haulers. Clean block, brick, pavement and broken concrete is used as erosion control methods instead of rip-rap. All other C&D is crushed & covered by County employees per NCDENR Division of Waste Management regulations.

c. **Land Clearing and Inert Debris (LCID)** is brought to the Alexander County landfill by residents and private haulers. Brush, grass clippings, leaves, and stumps are processed in the yard waste area. All other items are placed in the C&D area.

d. **White Goods (including metal & gasses) (WG)** are brought to the Alexander County landfill by residents and private haulers and placed in a designated area. When the area is full, Metal Recycling Services is called to remove the CFCs and haul the white goods to market.

e. **Scrap Tires (ST)** are brought to the Alexander County landfill by residents and private haulers. Form DENR 3733 is filled out by anyone bringing tires. Tires are loaded on to a truck parked at the landfill. This service is provided free of charge. When the truck is full, Alexander County has contracted with U.S. Tire Recycling, Concord, NC, to pick up tires and leave empty trailer.

f. **Electronics (EL)**

1. **General Program Information**
   Electronics are collected at all 6 county convenience centers and the county solid waste facility. Residents place their electronics on trailers in designated locations at the convenience centers.
Approximately once a week, staff travel to the centers, pick up loaded trailer and leave empty trailer, and transport them to the solid waste facility where they are unloaded, stacked, wrapped, or placed in gaylord boxes for pick up. Electronics that are collected include all computer equipment, microwaves, toasters, telephones, radios, televisions, VCRs, DVD players, vacuum cleaners, and anything else that plugs in or runs on batteries. Alexander County will take advantage of state contracts with electronics recycling vendors to dispose of its material. If state contract is unavailable county staff will research recycling vendors to find the one that offers reliable service and is economically beneficial.

2. Public Awareness and Education
   County staff will periodically place ads in the local newspaper, have Q&A sessions on the local radio station, hand out fliers at convenience centers, and set up booths at special events to raise awareness about the importance of electronics recycling.

3. Reporting
   In and out weights of all trucks picking up electronics are kept in the scalehouse to give a total weight of all material that is picked up. Alexander County would request that the vendor also send a list detailing number and weight of specific items.

4. Interaction with Other Local Governments
   The Town of Taylorsville is the seat of Alexander County and the only incorporated city. The Town will deliver electronic materials, picked up curbside, to the electronics collection site at the Alexander County Solid Waste Facility. Residents of Taylorsville will also be able to drop their electronics off at all County Convenience Centers.

5. Accounting
   Two new line items have been added to the Alexander County Solid Waste Department’s budget. One will account for any revenue received from disbursements, and the other will track expenditures, of these disbursements, for the bettering of the electronics recycling program.

6. e-Stewards & R2 Certification
   Alexander County currently partners with, and will continue to only partner with, vendors that are included in the NC State contract for electronics recycling. Alexander County will only use electronics recycling vendors that hold the required e-Stewards or R2 certifications. All electronics collected in Alexander County’s recycling program will be managed by said vendors.
ASSESSMENT AND ACTIONS

a. Reduction at the source: Currently there is no program in place and no actions planned for the 10-year planning period

b. Collection: Currently the waste is collected and hauled by the county and one private hauler. Waste is also collected by the county from six collection ("convenience") centers located in the rural areas of the county. The collection centers are staffed by county employees. An attendant is at each center from 10:00 a.m. to 5:00 p.m., Monday, Wednesday, and Friday, and from 9:00 a.m. to 4:00 p.m. on Saturday. Residential solid waste is accepted at each center in to eight yard bins. The county hauls this waste to the landfill.

The Town of Taylorsville collects curbside residential waste and recycling through a contract with GDS, Inc. Town staff also pick up bulky material at the curbside with Town equipment, such as brush, furniture, electronics, etc.

Six collection centers serve most of the planning area except the Town of Taylorsville. Based on population figures, Alexander County needs no new collection centers.

The collection centers serve households located approximately six miles from the centers. Private haulers were surveyed and it was determined that they collect waste from about 21% of the households in the county.

There are no new actions planned for the 10-year period.

c. Recycling and Reuse: Alexander County has been working since 1989 to maintain a stable recycling program. Currently, the county is recycling about 35% of the residential waste. Six convenience centers have a variety of collection bins, including roll-offs and converted dumpsters. Several materials are collected: newspaper; cardboard; aluminum cans; steel cans; clear, brown, and green glass; plastic milk and soda bottles; and all types of paper. Used oil and oil filters are collected at all convenience sites and landfill. Electronics and batteries (car and household batteries) are collected at all convenience sites and landfill. Collection center staff teach the residents proper sorting and material preparation and are available to answer questions. Brochures containing recyclable material listings, phone numbers, and other information are available at each site. Schools and county offices have a commingled program that includes paper, plastic, metal and aluminum cans.

All paper; cardboard; aluminum and steel cans; and plastic bottles 1-7 are taken to J & J Foothills Recycling Company.
J & J Foothills Recycling sorts and markets the materials. Glass goes to GDS in Conover.

Alexander County markets most of its materials through J & J Foothills Recycling. This is done on a bid basis. Quotes are secured each month. Changing markets may require the county to use another processor or assume the processing function itself.

The Town of Taylorsville contracts with GDS, Inc. for waste hauling and curbside recycling collection. Town participation in the voluntary curbside programs has been 44%. Materials collected at curbside are: newspaper; aluminum cans; steel cans; clear, brown and green glass; and plastic milk and soda bottles.

Small businesses may also use the collection centers to drop off recyclable material. Large companies and industries are encouraged to contract out for recycling services.

The Alexander County construction and demolition landfill will also reuse brick, demolition road asphalt, broken concrete, and concrete block as an erosion control methods instead of using rip-rap. It is estimated that 200 tons of waste annually will be diverted due to C&D landfill reusing materials (see under completed actions).

These actions will remain the same for the 10-year planning period.

d. Composting and Mulching: The County composts leaves and grass. The material is windrowed and turned when the temperature reaches 130°F. The compost is made available to the residents of Alexander County at no charge. For the fiscal year of 2007-2008, 50 tons were composted. For the fiscal year 2009-2010, 50 tons were composted. The County grinds pallets and clean wood which is made available to county residents at no charge. For the fiscal year of 2007-2008, 480 tons were ground. It is estimated that 450 tons of pallets/clean wood and brush will be ground in 10th year. Mulch is used for erosion control and is made available to county residents at no charge. These actions will remain the same for the 10-year planning period.

e. Incineration with energy recovery: Incineration with or without
energy recovery is not part of the county’s current program. The county considers it an inappropriate waste management option due to the local waste flow, public opinion, and capital/operating costs. The county would consider participating in a regional waste-to-energy facility hosted elsewhere, but it might not be cost effective to haul long distances. The county does not plan to use incineration with or without energy recovery.

**f. Incineration without energy recovery:** (SEE e.)

**g. Transfer Outside the Geographic Area Covered by the Plan:**
Alexander County is presently transferring all MSW to Foothills Environmental Landfill located in Caldwell County. This is a GDS landfill and they provide hauling and disposal.

Alexander County will continue to transfer waste out of the geographic area for the 10-year planning period. Bids will be taken at the end of each contract to assure that the County is receiving the lowest possible tipping and hauling fee.

**h. Disposal:** Alexander County is now disposing municipal solid waste in the GDS Landfill in Caldwell County, which is Foothills Environmental. Alexander County currently operates a construction and demolition landfill, which is on top of the unlined Subtitle D Landfill. Land clearing and inert debris (LCID) will also continue to be disposed in the county construction and demolition landfill and in privately operated permitted LCID facilities.

Alexander County will continue to transfer waste out of the geographic area for the 10-year planning period. Bids will be taken at the end of each contract to assure that the County is receiving the lowest possible tipping and hauling fee.

**i. Education with the Community and Through the Schools:** Solid Waste education efforts in Alexander County are done by the staff of the North Carolina Cooperative Extension. Programs conducted in the past three years include the following:

- Recycling Programs for Youth and Adults where Extension Agents cover the importance of recycling, proper items to recycle, preparation of items to recycle and renewable resources. Also they discuss how to shop wisely to cut down on unnecessary purchases with increased packaging.
- Backyard Composting for Youth and Adults where Extension Agents cover the importance of composting in a home situation.
- Vermicomposting (composting with worms) for Youth and Adults where Extension Agents cover the importance of vermicomposting in a home situation and school cafeterias.
- Pesticide Container Recycling Education is conducted during pesticide certification classes. Extension Agents stress the importance of recycling pesticide containers and the proper method of rinsing and preparing the containers for recycling.
- Flyers are made available at all convenient centers.
- Landfill newspaper articles are posted on a bi-weekly schedule.
- Radio advertisements are done at least 24 times per year.

The staff of the North Carolina Cooperative Extension, along with the Solid Waste staff, provides Solid Waste education efforts in Alexander County. They informally present each teacher and administrator a handout at the beginning of each school year describing the co-mingled collection process. Programs conducted in the past three years include the following:

- Recycling Programs for Youth and Adults where Extension Agents cover the importance of recycling, proper items to recycle, preparation of items to recycle and renewable resources. Also they discuss how to shop wisely to cut down on unnecessary purchases with increased packaging.
- Backyard Composting for Youth and Adults where Extension Agents cover the importance of composting in a home situation.
- Vermicomposting (composting with worms) for Youth and Adults where Extension Agents cover the importance of vermicomposting in a home situation and school cafeterias.
- Pesticide Container Recycling Education is conducted during pesticide certification classes. Extension Agents stress the importance of recycling pesticide containers and the proper method of rinsing and preparing the containers for recycling.

The County Cooperative Extension Service and Solid Waste staff, will continue these programs for at least 3 years, otherwise, there are no further actions planned for the 10-year planning period.

j. Management of Special Wastes: The management of special wastes is expected to reduce residential waste by very little because most is already diverted from the landfill.

1) **TIRES** are collected free of charge at the county landfill. The county provides the trailer and contracts transportation to US Tire located in Concord, NC, for a fee of $83.25 per ton. Most tire retailers understand the system and deliver tires to the landfill. Money from statewide tire tax pays for the tire-recycling program. The county promotes small tire clean up countywide, at no charge to residents. It is estimated that 382 tons will be diverted in the 10th year of the plan.
2) **WHITE GOODS** are collected and stored only at the landfill in a designated area. When ample stockpiled units are ready for CFC (chlorofluorocarbon) removal, Metal Recycling Services is called to remove the CFCs and to haul the white goods to market. Metal Recycling Services sends Freon Removal Report to the county. It is assumed that most white goods are recovered in Alexander County. To discourage illegal dumping and to encourage proper management, the county collects white goods only at the landfill. It is estimated that 50 tons will be diverted in the 10th year. An application will be made to the NC Solid Waste Section for grant funds to construct a concrete pad and completion of the pad will be done upon receipt of the award. Otherwise, the actions will remain the same for this 10-year planning period.

3) **ELECTRONICS** are accepted for recycling at all six convenience sites and the landfill. Discarded computer equipment, televisions, and all other types of electronics are accepted. Alexander County uses the NC State Contract to select its recycling vendor for recycling services. 100 tons were diverted in fiscal year 2010-2011. Actions will remain the same for this 10-year planning period.

4) **LEAD-ACID BATTERIES** are collected at retail stores, auto parts dealers, at the landfill and convenience centers. The Town of Taylorsville does not provide battery collection service. It is estimated that 1 ton will be diverted in the 10th year. These actions will remain the same for this 10-year planning period.

5) **USED MOTOR OIL/OIL FILTERS AND ANTIFREEZE** can be recycled at all six convenience centers and at the landfill. There are 500 gallon tanks at each convenience site and a 1000 gallon tank at the landfill transfer station for the collection of oil. 55 gallon drums are at all locations for the collection of used oil filters. Antifreeze is collected at the landfill in a 500 gallon tank. Noble Oil picks up the used motor oil, filters and antifreeze. It is estimated that 7500 gallons of oil and 25 drums of filters will be diverted in the 10th year. These actions will remain the same for this 10-year planning period.

6) **WOODEN PALLET AND RIGID PLASTICS** are accepted at the landfill for recycling. Wooden pallets that come from construction and/or demolition projects can or will be disposed of in the construction and demolition landfill. Pallets from other sources will be ground up and used as mulch. All rigid plastics are being recycled. It is estimated that 550 tons of pallets and 200 tons of rigid plastic will be diverted in the
10th year.

7) **HOUSEHOLD HAZARDOUS WASTE** is collected during the county's biennial household hazardous waste day. This event provides a means of disposing of chemicals, pesticides, paint, fluorescent bulbs, and other potentially harmful materials that can be found around the home. Every other year, on the last Saturday in April, residents can bring their household hazardous waste to the county Administration building parking lot, located at 621 Liledoun Road, in Taylorsville, NC, from 9AM to 1PM. At this time, the county contracts with ECO Flo, from Greensboro, NC. Empty herbicide, insecticide, and pesticide containers may be disposed of, at anytime, after being triple rinsed at any convenience center or the landfill during regular business hours. Also, electronics may be taken to the landfill or convenience center, at anytime, during regular business hours. The county will continue the container disposal program and have a household hazardous waste day at least every other year. A sponsor will be obtained for each event; if a sponsor cannot be obtained, the County will pay for the event.

8) **FLUORESCENT LIGHT** recycling is provided for Alexander County residents only, no businesses. Residents can take unbroken fluorescent bulbs to the landfill or convenience sites. All bulbs are taken to the landfill by county employees and put in designated area. Southeast Recycling in Johnson City, TN will pick up bulbs when called and furnish a certificate of recycling to Alexander County.

9) **ABANDONED MANUFACTURED HOMES** are currently accepted in the Alexander County construction and demolition landfill. After July 1, 2012, Alexander County plans to participate in the management of abandoned manufactured homes program outlined in House Bill 1134, to assist property owners in the cleanup and removal of abandoned manufactured homes.

Pursuant to North Carolina General Statute (NCGS) 130A-309.99A, the county is hereby authorized to provide for the efficient and proper identification, deconstruction, recycling and disposal of abandoned manufactured homes within the unincorporated areas of Alexander County. See plan for definitions, descriptions, deconstruction and recycling procedures, documentation and reimbursement in detail. Currently, the Alexander County Zoning Office is working on an AMH grant program.
ABANDONED MANUFACTURED HOUSING PROGRAM
ALEXANDER COUNTY, NORTH CAROLINA

I. PURPOSE

The beautification of Alexander County is vital to the quality of life for its citizens as well as ensuring the public’s health and general welfare. To further encourage the protection of our environment, the county is initiating a program to assist property owners in the cleanup and removal of abandoned manufactured homes.

Pursuant to North Carolina General Statute (NCGS) 130A-309.99A, the County is hereby authorized to provide for the efficient and proper identification, deconstruction, recycling and disposal of abandoned manufactured homes within the unincorporated areas of Alexander County.

II. DEFINITIONS

Abandoned Manufactured Home – a manufactured home or mobile classroom that is both vacant or in need of extensive repair and an unreasonable danger to public health, safety, welfare or the environment.

Intact – when used in connection with ‘abandoned manufactured home’ refers to an abandoned manufactured home from which the wheels and axles, white goods and recyclable materials have not been removed.

Manufactured Home – a home as defined in N.C.G.S. 105-164.3

Responsible Party – any person or entity that possesses an ownership interest in an ‘abandoned manufactured home’.

III. DESCRIPTION

This program provides and assists citizens in the financial aspects of removing abandoned manufactured homes in an environmentally responsible manner. Funding for the program is through the North Carolina Department of Environment and Natural Resources (NCDENR) who will refund a maximum of $1,000 per home to the County. Actual costs for disposal of the manufactured homes must be documented and shall not exceed $1,000.

IV. IDENTIFICATION OF HOMES TO BE DECONSTRUCTED

Application must be made to the Alexander County Solid Waste Department requesting approval for deconstruction of an abandoned manufactured home. The application is a voluntary request and must be requested by the property owner. The Solid Waste Department will assist applicants in sequential order. Both the homeowner and landowner, if not under common ownership, must sign application and all waivers.

Once the application has been received and accepted by the Solid Waste Department the property owner shall provide documentation that all utilities are disconnected and
terminated. The owner shall also contact the Alexander County Environmental Health Department to obtain the proper procedures for abandoning any private water and sewage systems.

V. DECONSTRUCTION PROCEDURES

1. Manufactured homes must be deconstructed for acceptance into the Alexander County Landfill. With prior approval, intact manufactured homes may be taken to a regional facility who will accept intact units. A list of vendors is available at the Solid Waste Department, upon request.
2. Homeowner may elect to deconstruct or to retain a contractor for completion of service.
3. The county retains the right to solicit bids for the deconstruction and removal of such homes. The County will solicit bids per NCGS requirements.

VI. RECYCLING PROCEDURES

1. The frame and axles must be removed prior to recycling and documentation of final disposal destination is required. Any other components that can be recycled should be considered, where feasible.
2. All appliances, tires, thermostats and mercury switches shall be removed prior to deconstruction and delivered to the Alexander County Solid Waste Facility. A receipt of delivery will be provided which is necessary for reimbursement.

VII. DOCUMENTATION AND REIMBURSEMENT

The property owner must provide documentation of all expenses incurred. Acceptable expenses include but are not limited to the cost of demolition, hauling, recycling and landfill tip fees. Any costs over the maximum amount of reimbursement will be the responsibility of the property owner. The documentation must contain the following:

1. A signed, dated invoice with the physical address from the individual or company performing the work.
2. Documentation of recycling and disposal will be obtained from the Solid Waste Facility or recycler who accepted materials.
3. A description of the materials delivered referencing the property. Failure to provide any of the required documents or failure to complete an application in advance of work commencing will result in denial of reimbursements.

k. Prevention of illegal disposal and management of litter: The County has a full time Solid Waste Enforcement Officer. Illegal
Dumps are handled on an ad hoc basis. The County Solid Waste Enforcement Officer will identify the site and attempt to have it cleaned up; however, if this fails, the County will contact the Regional Solid Waste Management Specialists for enforcement. Actions will remain the same for this 10-year planning period.

I. **Purchase of recycled materials and products manufactured with recycled materials** is currently not mandated at Alexander County. Wherever possible, purchase of recycled materials & products is encouraged. Alexander County hopes to complete a sustainability plan that would address; conservative power and water usage, vehicle fleet conservation measures, and green product procurement; during the 10-year planning period.

VI. **SOLID WASTE MANAGEMENT COST**

From the FY 2011 audit report to Alexander County Finance Director, Jennifer Herman, the total cost of operations for the Solid Waste fund was $1,407,145 and the Landfill Closure fund was $346,695 making the total cost of solid waste management $1,753,840 for FY 2011.
VII. EMERGENCY/DISASTER DEBRIS MANAGEMENT AND ANIMAL MORTALITY

Current Program: Alexander County will dispose of any debris from a natural disaster in the permitted construction and demolition landfill as long as it is permitted. Debris that can be ground into mulch can be stockpiled at the landfill and adjacent land until it can be processed. Actions will remain the same for this 10-year planning period.

Handling of Dead Animals from a Natural Disaster and/or Disease

The landfill should not accept any dead animals without knowing the cause of death. Those killed by natural disaster could be accepted at the landfill but those that die because of any type of disease cannot be accepted. It is strongly recommended by the United States and North Carolina Department of Agricultures that all dead animals that result from either a disaster and/or disease be disposed on the site where they are being raised. It is better not to transport for the safety of public’s health and the safety of landfill operations. The producers are required by law to report any diseases to NCSDA&CS, Animal Health Programs at (919) 733-7601, also Veterinary Public Health Office at (919) 707-5900. The West Nile Virus is also to be reported to the Public Health Pest Management Section at (877) 790-1747.

The following is a brief summary of poultry mortality disposal methods in North Carolina. All disposals must occur within 24 hours. (This is a copy of the NC Department of Agriculture and Consumer Services requirements from their website.)

1. Burial: Not closer than 300 feet to a flowing stream or public body of water. Should be at least three (3) feet above water table and covered with three (3) feet of soil. Can be used anywhere soil conditions allow, primarily for emergency situations. Not recommended for disposal of normal daily mortality.

2. Incineration: Any commercial unit that will completely incinerate the birds. Should be sure they meet local and state air quality requirements. Good procedure anywhere in the state.

3. Rendering: Must be done by a licensed renderer or collector. Care must be taken not to spread disease from farm to farm. Freezing mortality prior to rendering is allowed.

4. Disposal Pit: The bottom of the pit should be at least three (3) feet above the water table. Not a satisfactory procedure in most of Eastern North Carolina and other locations with a high water table.

5. Composter: Requires a permit from the North Carolina Department of Agriculture and Consumer Services. Good procedure in any part of the state.
6. Digestion: Requires a permit from the North Carolina Department of Agriculture and Consumer Services. Permits are limited to one (1) year but can be extended. This method is generally less satisfactory than other methods of disposal. This method can be used anywhere in the state.

Other disposal methods require a special permit from the State Veterinarian’s office.

**Current Program:** Large animals (horses, cows, etc) and small animals (chickens) can be dropped at the transfer station located on Payne’s Dairy Road. Small animals up to 100 can be dropped off without pre-approval and are immediately loaded onto transfer trailers and hauled to the GDS landfill located in Caldwell County (Foothills Environmental, 2800 Cheraw Road, Lenoir, NC 28645, Permit # 14-03). Small animals over the amount of 100 will need to have pre-approval before drop-off.

**SOLID WASTE EMERGENCY DEBRIS STAGING SITES:**

**EAST ALEXANDER PARK**
201 EAST ALEXANDER PARK LANE
HIDDENITE, NC  28636

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**DUSTY RIDGE PARK**
360 DUSTY RIDGE ACCESS ROAD
TAYLORSVILLE, NC  28681

**SOLID WASTE EMERGENCY CONTACT LIST:**

- Rick French – Alexander County Manager
- Josh Mitchell – Alexander County Solid Waste Director
- Russell Greene – Alexander County Emergency Services Director
- David Odom – Town of Taylorsville Manager
I. PURPOSE

This plan recommends policies, property values and actions that should be taken by government agencies and private organizations in Alexander County to minimize the vulnerabilities of people and property to disaster and establish capabilities to respond effectively to the actual occurrence of a disaster.

II. SITUATION AND ASSUMPTIONS

1. General description:
Alexander County is located in the North Carolina Emergency Management Western Region and FEMA Region V. It is geographically located in the western section of the State. It is bordered on the East by Mecklenburg County, on the South by Catawba County, on the North by Wilkes County and on the West by Caldwell County. The current population of the County is approximately 50,000. During the summer season the population of the county increases to support nearly 70,000 persons. Total square miles is 1,063. Population density is approximately 40 persons per square mile. (Source: NC Department of Commerce).

The following services, which may have expanded duties during disasters, are provided by Alexander County:
- Emergency Management
- Communications
- Education
- Health Services
- Fire Departments
- Water Management
- Police
- Social Services
- Animal Control
- Health Department
- Landfill

The following municipalities provide services that may have expanded during a disaster or that data may be directly impacted by the disaster:
- Taylorsville - Special Services
- Black Mountain - Fire Protection
- Hendersonville - Fire Protection
- Asheville - Fire Protection

http://www.alexandercountync.gov/emergency_mgmt/lplan/ww/ww_basic.htm 5/7/2012
2. The major traffic arteries are:
   Highways (US 64, NC 50) East/West
   Highways (NC 16, NC 187) North/South

3. Freight Rail Service is provided by Alexander Railroad Company

4. Gas Lines are:
   PSNC and Piedmont Natural Gas serves the town of Taylorsville and many rural residents throughout the county.

5. The County Center is the following airport:
   Taylorsville Airport (NC Airport No. 1, Taylorsville, NC). The airport provides only private general aviation services. Commuter service is available, however, in the event of a disaster, helicopters and smaller fixed wing may be used for transportation of cargo.

6. The County is exposed to many hazards, all of which have the potential to disrupt the community, cause damage, and create casualties. The County has experienced many hazards, all of which have at one particular time, caused damage to communities, great amount of damage and/or human deaths. Potential hazards and historical hazards (hazards, ecological and national security, for Alexander County are:
   - Disasters
   - Weather
   - Floods
   - Faults
   - Groundwater
   - High water
   - Rainfall
   - Severe thunderstorms
   - Tornado activity (including other or known or projected)
   - Hurricanes
   - Winter storms

B. Assumptions

1. The occurrence of any one or more of the disaster events previously listed could impact Alexander County severely and include some of the following possibilities:
   - Loss of electric power
   - Failure of the water distribution system
   - Interruption of road/highway networks
   - Evacuation of people from the county
   - Necessity for mass care (shelter) and feeding operations
   - Need for debris clearance and removal
   - Multiple injuries and fatalities
   - Urgent increase in medical attention
   - Damage to the communications and telephone networks
   - Economic impact
   - Increased number of fires
   - Need for billets to be kept in reserve and ready contact
   - Need for State and Federal assistance
   - Recovery of essential personnel equipment
   - Recovery of the public
   - Restoration of systems


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III. CONCEPT OF OPERATIONS

A. As authorized by General Statutes 1986, 2-2, it is the responsibility of County government to organize and plan for the prevention of loss and property from the effects of an emergency and/or disaster.

B. Alexander County utilizes the four phases of Comprehensive Emergency Management in designing and implementing the emergency services program. These phases are:

1. Mitigation - through planning and building inspection programs the County and municipal governments use codes and standards to prevent hazards from impacting on exposure areas and new construction. Education of the public about natural and man-made disasters and preparedness for emergencies can also reduce injury and death from disasters. The County has developed a Comprehensive Hazard Mitigation Plan that meets or exceeds all federal and state standards and requirements.

2. Preparedness - through disaster risk assessment and recognition of hazards likely to affect the area, the County and municipal agencies create a plan for potential disasters. County agencies and other organizations in cooperation with one another and with other levels of government have procedures for carrying out assigned functions. Many of these programs are offered to the residents of Alexander County to help them be prepared and to be informed. Members of the public are encouraged to participate in the Hazard Mitigation Program and the Emergency Management Plan.

Additionally:

- Final plans and goals and objectives and action plans for implementing these goals and objectives are included in the Comprehensive Hazard Mitigation Plan, development of this plan began in 1999 and is reviewed and updated every five years, in accordance with federal regulations for Risk Reduction (Operating Plan - NACF 32.13). The plan wrote the consensus report for the Federal Emergency Management Agency.

- Preparedness - through disaster awareness and recognition of hazards likely to affect the area, the County and municipal agencies create a plan for potential disasters. Community programs are offered to prepare individuals and the Alexander County Emergency Management Plan are reviewed by the residents of Alexander County and the public are encouraged to participate in them.

- Community participation is encouraged, and the public is informed of the existence of the plan and its goals and objectives and action plans for implementing these goals and objectives.


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3. Response - When a disaster occurs, the county and municipal agencies respond either as direct responders to the disaster area or as a support agency to the first responders involved. The responding agencies will broaden their scope of training and will call upon outside resources as needed to mitigate further damages. Additional resources are coordinated by the Alexander County Emergency Operations Center.

Additional:
- The emergency operations plan will be implemented on an appropriate scale.
- Affected parties, groups, and agencies will be alerted and notified.
- Response forces will be deployed.
- Direction and control will be established.
- IUser agencies will be monitored including response time, emergency incident measures, and location of hazardous areas.
- Law enforcement and emergency activities will be implemented.
- Evacuation and sheltering will be ordered.
- The initial impact of the emergency/accident will be assessed by field forces.
- A State of Emergency will be determined if indicated.
- Emergency coordinators will be implemented and enforced.
- Resource allocation will occur.
- Mutual aid will be activated.
- Coordination of additional jurisdiction will take place.
- Pertinent public information will be released through media outlets.

4. Recovery - After the immediate short-term emergency needs of an area are controlled, the county and municipal governments begin a recovery process that may take several to many months of years. Alexander County will determine and implement how to best respond to the needs of the community based on the disaster or event. Many times this effort will be undertaken by the jurisdiction and assistance from State and Federal Government will be needed.

Additionally:
- In All Emergencies/Disasters:
  - Debris removal operations will be conducted as warranted.
  - Temporary shelters will occur as warranted.
  - Essential services will be defined necessary.
  - Replacement of public facilities will be considered necessary.
  - Public utilities will be enhanced with ready recovery assistance if applicable.
  - Emergency housing will be assessed the needs are necessary.
  - Rebuilding/replacement of public facilities will be sustained as warranted.
  - Reorganization of damaged property will be undertaken if necessary.
  - Unusual needs will be addressed by an Unusual Needs Committee.
  - Temporary shelters will be utilized.
  - If declared, the State of Emergency will be terminated.

In Presidential Declared Emergencies/Disasters:
- An emergency declaration with potential for a Presidential Declaration will receive most of the activities listed above.

C. Alexander County provides many emergency services to the citizens of the county on a day-to-day basis. Some of these services overlap into town government jurisdictions. While the Town of Taylorsville provides many services to its citizens, they also depend on Alexander County for services such as emergency medical services, health services, and a tornado warning system.

U. The Town of Taylorsville will maintain real-time operations in the event of an incident. However, if their resources prove to be inadequate, they will request county assistance. In the event of a massive disaster, the town can request the county to provide needed resources. If necessary, the town can turn over overall operations to the county. The county will then provide necessary assistance to the town.

D. As requests for assistance become overwhelming, the county will appoint its own coordinating officers. These officers will also coordinate with the state and federal agencies to call up any necessary assistance from the state or federal government. This will ensure that necessary equipment and personnel from the state or federal government can be deployed to help with the disaster response.

F. When needed, the Alexander County Commissioners will declare a "State of Emergency" to assist the county emergency response agencies in carrying out their duties and for the protection of the citizens and property within the disaster area. The Town of Taylorsville can independently declare a "State of Emergency" in the event of a disaster. By resolution, the town may request the county to provide support.

G. With a disaster overwhelming the capabilities of state and local governments, resources of federal departments and agencies may be needed.

J. Under the Federal Response Plan, federal agencies have various authorities and resources that have been designated by the President to carry out assigned emergency functions on behalf of state and local governments. Federal resources are utilized when necessary to carry out assigned emergency functions without state or local government assistance.

K. Under the provisions of the Stafford Act, Federal Emergency Management Agency (FEMA) emergency operations plans are developed and used as coordinated by the state's emergency management agency. These plans provide for the coordination of state and local emergency management agencies. The plan is intended to guide the state's efforts during a disaster.
Establish policy and procedures in coordination with other officials.

Carry out appropriate provisions of state general statutes in addition to local ordinances relating to emergencies.

Issue and distribute, as appropriate, a local proclamation or resolution declaring a State of Emergency or withdrawing the State of Emergency, in coordination with the County.

Request assistance from State government through the Emergency Management Coordinator, as needed, to control an emergency.

Perform coordination and policy-making functions as necessary to provide for optimum protection of public health and safety of citizens within the jurisdiction.

Assume the protection of public documents and public utilities during the emergency.

Assume or delegate direction and control of emergency operations after declaring an emergency at the Municipal level.

Additional duties are also found in the various annexes and procedures.

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2. **Town Manager**

Establish policy and procedures in coordination with other officials.

Carry out appropriate provisions of state general statutes in addition to local ordinances relating to emergencies.

Issue and distribute, as appropriate, a local proclamation or resolution declaring a State of Emergency or withdrawing the State of Emergency, in coordination with the County.

Request assistance from State government through the Emergency Management Coordinator, as needed, to control an emergency.

Perform coordination and policy-making functions as necessary to provide for optimum protection of public health and safety of citizens within the jurisdiction.

Assume the protection of public documents and public utilities during the emergency.

Assume or delegate direction and control of emergency operations after declaring an emergency at the Municipal level.

Additional duties are also found in the various annexes and procedures.

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3. **County Manager**

On behalf of the County, perform interagency control, coordination and policy-making functions as necessary to provide for optimum protection of public health and safety within the jurisdiction, including management of the County's Emergency Operation Center utilizing the Emergency Management Coordinator to carry out this function.

Ensure that emergency agencies continually update their annexes to the Emergency Operations Plan and develop Intersystem Operating Guidelines (SOGs) as needed to respond to emergencies through Emergency Management.

Ensure that exercises and tests of the emergency systems are conducted on a periodic basis to test the functions of the Emergency Operations Plan through the Office of Emergency Management.

Ensure that representative for Emergency Operations Centers, staff are designated (e.g., Radiological Officer, Health Director, Public Information Officer, etc.) report to the Emergency Operations Center upon arrival to coordinate direction and control.

Establish incident management procedures in coordination with other officials.

Make recommendations to review and ensure emergency policies and procedures are updated, on behalf of the County.

Ensure that financial and expenditure reports are kept during emergency.

Ensure that narrative and operational journals are kept during the emergency.

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4 Town Manager

- On behalf of the town council, implement direction, order, coordination, and policy-making functions as necessary to provide for optimum attainment of public health and safety within the jurisdiction. Establish and direct all emergency preparedness, training, and response activities.
- Implement emergency policies and procedures as appropriate for the governing body.
- Ensure that financial resources are available and utilized during emergency operations.
- Develop plans for the security of municipal, public, and private facilities.
- Develop a roster of key workers who must remain during an emergency or return, subsequent to an evacuation, to resume critical activities.
- Provide, as requested, additional personnel and equipment resources to the County or other jurisdictions to support emergency operations and evaluations.

Emergency Management Coordinator

- Perform as grid duties according to state statutes and local ordinances to include serving as the Chief of Staff and acting as a liaison between the Department of Homeland Security and the Natural Disasters Council.
- Establish and direct the County Emergency Operations Center (EOC) to include primary and backup communication systems (radio and telephone), and provide for collaboration on a continuous basis as required.
- Ensure that a system is developed, implemented, and maintained to manage information (including message switches) pertaining to the emergency situation or event, which is disseminated to other levels of government and the private sector.
- Ensure that an effective, ongoing, and secure communication system is established to ensure that key personnel are kept informed of the situation.
- Provide for protection and stockpiling of food, water, and supplies as outlined in the local and state emergency plans.
- Develop a schedule for training, hole and repair planning, and maintaining a viable Emergency Operations Center and other emergency equipment, as well as maintaining workable lines of communication with the affected agencies and organizations in the County.
- Obtain and assign personnel to the County Emergency Operations Center for 24-hour coverage, when necessary, to assist emergency operations.
- Ensure that the County Emergency Operations Center staff acknowledge and authenticate records.
- Ensure that communications are conducted periodically during the emergency.
- Establish and maintain coordination with other jurisdictional emergency management agencies as appropriate.
- Provide for continuous (24-hour) coordination of recovery activities among public and private agencies and organizations.

http://www.alexandriacountync.gov/emergencymgmt/FPlan/Webserver/basic.htm 5/7/2012
Plan for, identify, and maintain current locations of sites and structures for emergency purposes including critical facilities.

Maintain an infrastructure inventory as required.

Review requests for assistance from municipalities within this County and direct aid to areas where needed.

Prepare, authenticate, and disseminate notices for use during an emergency

Develop emergency plans and equipment for areas not covered by existing warning systems.

Coordinate warning resources with neighboring counties.

Develop and maintain an emergency information and education program for disaster preparedness.

Direct and assist the Public Information Officer in disseminating public information during emergencies.

Identify potential evacuation stations in accordance with the County’s land use analysis.

Develop and implement procedures in conjunction with the Sheriff, Fire Departments and other emergency resource organizations.

Identify population groups requiring special assistance during evacuation (e.g., senior citizens, the very ill and infirm, nursing homes, prison populations, etc.)

Ensure that Institutions within the County have evacuation procedures

Monitor the progress of the evacuation and modify evacuation procedures when needed.

Develop and equip Disaster Assistance Centers along with the State when appropriate.

Identify suitable sites for shelters which have drug and mass feeding capabilities.

Develop procedures to evaluate and purchase shelters and ensure that American Red Cross and other available shelter resources are utilized.

Designate shelter facilities with the shortest commuting distance to the hazard area for essential workers and their families.

Instruct the return of the population as soon as conditions are safe as directed by the Chairman, Board of County Commissioners

Assign a Damage Assessment Officer to coordinate overall damage assessment and recovery.

Provide damage assessment training.

Maintain sufficient quantities of needed items and supplies for damage assessment teams and other disaster recovery agencies operating within the County.

Secure resources to support the needs of damage assessment activities (maps, area community identification, etc.).

Establish a Utilities Liaison to coordinate information flow between the Emergency Operations Center and affected utilities.

Maintain liaison with utility agencies to arrange for back-up service in the event of extended outages.

Assist with identification and notification of applicants that may be eligible for PA programs (local government entities, private non-profit organizations, etc.)

Develop mutual aid agreements and agreements for use of resources.

Develop procedures to identify facilities.

Establish procedures to identify facilities.

Analyze personnel and equipment requirements to meet potential hazards and maintain a reference manual.

http://www.alexandercounty.nc.gov/emsPlan/MainWeb/Basic.htm

5/7/2017
8. Agency/Jurisdiction Emergency Operations Center Representative

- Report the Emergency Operations Center and ensure continuous representation throughout activation.
- Provide support personnel and services to the Emergency Operations Center as appropriate.
- Ensure all information related to emergency/disaster situations is shared with other response agencies/organizations.
- Ensure staff is available to provide 24-hour operations.
- Additional duties are also listed in the various appendices and procedures.

7. Public Information Officer

- Prepare and disseminate all public information services during disasters.
- Maintain current inventories of public information resources.
- Coordinate all media releases pertaining to emergency planning and operations.
- Provide for public control and emergency instructions. Publicize the telephone number of a master control line of all official disaster information can be obtained by the public.
- Develop media advisor for each media.
- Maintain working relationships with the media and a current list of radio stations, television stations and newspapers to be used for media information release.
- Prepare and distribute in writing any agreements with the media to provide for dissemination or exclusion of emergency information and warning to the public, including the appropriate procedures to be used.
- Arrange for prompt and rapid release of public information in an emergency and for briefings to media representatives, if appropriate.
- Assist in the preparation and review of Emergency Public Information Materials for all hazards affecting the County.
- Report to the Emergency Operations Center upon activation and coordinate the release of disaster-related information with local agencies, State and Federal government.
- Clear all material with the chief executive before release to the media.
- Prepare and distribute written emergency public information materials to the media (newspaper, radio, television, etc.)
- Ensure all sources of information being used are authenticated and verified for accuracy.
- Assist in conducting inquiries and informing families about plans for contact of missing relatives, continued emergency services, restricted areas, etc.

http://www.alexandercountyny.gov/emergencyragon/5/Plays/Webver/basic.htm

5/7/2012
6. Sheriff

- Plan for conducting traffic control and utilise law enforcement operations throughout the County during disasters.
- Develop and update agreements with other law enforcement agencies.
- Provide back-up communications for Emergency Operations Center through mobile units.
- Provide transportation for Emergency Operations Center personnel under emergency conditions, as requested by Emergency Manager.
- Maintain operational notification and communication systems.
- Assist in evacuation of the disaster area and movement to shelter.
- Provide security and protection for the damaged area and critical facilities and control access to the affected area.
- Provide security in the Emergency Operations Center reception area, shelters, lodging and feeding facilities during emergency operations.
- Restore and remove personnel when necessary during periods of evacuation.
- Coordinate additional law enforcement support with State Highway Patrol and other counties and/or municipalities during response activities.
- Deliver medical, food, water, ice, or other supplies if requested.
- Establish a working team in conjunction with fire departments, rescue squads and the Transportation Director.
- Review and update the Law Enforcement Agency and 500s regularly.
- Additional duties are also found in the various annexes and procedures.

7. Municipal Law Enforcement Agencies

- Maintain law and order within local jurisdictions.
- Provide mobile units for warning operations.
- Provide security for essential facilities.
- Assist evacuation through the Emergency Operations Center, as needed.
- Additional duties are also found in the various annexes and procedures.

8. Fire Marshal

- Plan for coordination of fire fighting operations throughout the County in time of disaster.
- Develop mutual aid agreements.
- Analyze fire potential and identify fire service requirements.

http://www.alexandercounty.nc.gov/emergencymgr/EPlan/Webver/basic.htm 5/7/23
11. Hazardous Materials Response Coordinator

Develop and maintain a Hazardous Materials Annex for the County and provide decontamination capability.

Establish a hazardous materials permanent nesting network with local, state, and federal agencies.

Provide for maintaining exposure records and ensuring equipment is up to date and in good working order.

Assist in decontamination exposure levels for emergency workers and determine appropriate exposures.

Coordinate county personnel and equipment for hazardous material response.

Additional duties are outlined in the various annexes and procedures.

12. Fire Departments

Assist in determining the extent of potential or existing emergency.

Deploys personnel and equipment during emergencies.

Designates staging areas for mobilized and volunteer forces responding from other areas.

Support rescue operations.

Provide operational and hazardous decontaminated unit and monitoring support.

Maintain fire security in evacuated areas.

Assist in making clearance for emergency access in the disaster area.

Additional duties are outlined in the various annexes and procedures.

13. Rescue Squads


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14. Emergency Medical Services Director

- Plan for coordination of emergency medical activities throughout the County during disasters.
- Develop Emergency Medical Services protocols and disaster aid agreements.
- Coordinate with hospital disaster coordination teams at major medical facilities within the County to ensure successful coordination of operations.
- Establish and maintain direct communications with other response groups.
- Maintain liaison with American Red Cross (ARC) and other volunteer disaster agencies to support first aid and support medical resources in the event of an emergency.
- Coordinate the dispatch of ambulances and the transportation of victims to medical facilities.
- Coordinate response capabilities utilizing the emergency medical and ambulance units.
- Maintain a casualty tracking system.
- Provide for nursing care at various levels to the extent that local medical standing orders allow.
- Implement the Incident Command System as required.
- Review and update the Emergency Medical Services Plan and SOPs regularly.
- Provide guidance, ensure inter-agency communication for emergency response at incidents involving radiological and hazardous materials.
- Additional duties are also found in the various annexes and procedures.

15. Social Services Director

- Plan for coordination of social services operations during disaster.
- Coordinate with non-profits, health care facilities (e.g., nursing homes, rest homes, etc.) to ensure development of emergency procedures in conjunction with appropriate agencies.

Communications Director

16. Monitors and directs communications and warning systems, including two-way radio systems throughout the County describing methods of communications between Emergency Operations Center and field forces, other facilities assisted at federal and state/County Emergency Operations Centers.

Reports to the Emergency Operations Center upon activation to assist in directing operations.

Ensures all emergency communications are staffed on shift basis to supplement on-duty personnel.

Maintains accurate and up-to-date transmission systems.

Ensures information pertinent to the emergency or disaster situation is provided to the Emergency Operations Center.

Develops and maintains equipment, methods and procedures for communications between the Emergency Operations Center and on-scene emergency resources.

Maintains two-way communications net with surrounding counties, state and federal agencies.

Establishes procedures to control messages and communications between the Emergency Operations Center and other forces, such as local RRTs, Statewide Incident Management Team and communication networks.

Disseminates warning information.

Reviews and updates the Communications Annex and CDRs regularly.

Ensures that communications procedures are established for the use of line, message, radio and message centers.

Develops procedures for obtaining and restoring telephone services during emergencies.

Develops a mutual aid agreement.

Identifies potential sources of additional equipment and supplies.

Provides radio repair and maintenance services under emergency conditions.

Ensures program training for all county communications personnel.

Provides for radio system maintenance and networking.

Provides a complete emergency communications (fixed and mobile) capability.

Supports the operations of emergency communications facilities and systems.

Provides radio, telephones and computer resources in the County.

http://www.alexandercounty.nc.gov/emergency_mgmt/EIPane%20WebviewBasic.htm

5/7/2012
1/ County Maintenance Manager/Public Works

- Prepare procedures to provide county maintenance functions during emergencies.
- Develop and maintain essential skills with source location and use of equipment, fuel and operational personnel to support responsibilities and maintain assistance from the Emergency Management Coordinator.
- Develop manual planning document.
- Provide for back-up electrical power to the Emergency Operations Center.
- Provide emergency potable water, as required.
- Store and service fuel for emergency vehicles.
- Provide sanitation services during emergencies.
- Prepare required reports and forward to the Emergency Operations Center.
- Maintain emergency power, water and sanitation resources at all facilities in the County during emergencies.
- Assist in day-to-day assessment operations and daily support assessment information to the Emergency Operations Center and be familiar with FEMA Schedule of Equipment Status.
- Plan for emergency repair and restoration of critical facilities and utilities during disasters.
- Assess sheltering and shelter upgrading.
- Conduct and assist with debris removal on county owned property.
- Review and update the Public Works Annual 50CCD report regularly.
- Additional duties are also found in the various annexes and procedures.

2/ Public Works Director (Town)

- Maintain water supplies and sanitary facilities of shelter sites within the town during emergencies.
- Join with County Emergency Management director and dispatch public works personnel as requested from other jurisdictions and the State.
- Conduct debris removal and removal operations within the town jurisdiction in conjunction with the North Carolina Department of Transportation.
- Provide support to other agencies, as needed, for water sampling and sample control.
- Additional duties are also found in the various annexes and procedures.

http://www.alexandercountync.gov/emergencymanagement/plancompass.html

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Health Director

- Direct operations for all health services during disasters in coordination with the Department of Social Services and the Emergency Medical Services.
- Develop procedures for emergency public health operations.
- Develop and implement health awareness and public information programs regarding personal health.
- Report to the Emergency Operations Center on activation and provide direction and control for emergency health operations.
- Plan for protection of food and water in shelters and issuance of instructions for decontamination of hands in case of exposure.
- Conduct sanitation inspections of shelters.
- Develop mutual aid agreements.
- Provide for health care support of emergency relief and evacuation.
- Provide for mental health support of special needs populations.
- Provide continuous health inspections and communication of health conditions in hospitals, nursing homes, and shelters.
- Coordinate with environmental health activities for waste disposal, refuse, food, water, and waste water in shelters and sanitars.
- Provide for monitoring and evaluation of environmental health hazards and arrange for corrective measures.
- Arrange for the inventory of health commodities.
- Coordinate the distribution of exposure control or mitigating disease, vaccines, or other interventions.
- Coordinate public information with the Public Information Office.
- Additional duties are also found in various annexes and procedures.

Mental Health Services Provider

- Develop procedures to provide mental health services during emergencies.
- Develop a Disaster Training Guide for counseling personnel.
- Provide crisis intervention training for personnel assigned to crisis response teams. Developing Teams.
- Implement disaster plans for mental health facilities.
- Provide mental health professionals for treatment of disaster victims.
- Assist American Red Cross with mental health and trauma families due to status of indigent injuries or missing.
- Maintain 24 hour Crisis Line during period of evaluation.
- Identify and assess individuals needing mental health services. Contact crisis response centers who have experienced mental stress and provide them with mental health services.
- Ensure continuity of mental health treatment and medication for persons in shelters, as necessary or requested.
- Provide on-site counseling to professionals and support staff working with the relocated population.
- Arrange for social work services for mental health services for emergency workers and disaster victims.

http://www.alexandercountync.gov/emergencymanagement/Plan/WeatherBasic.htm 5/7/2012
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21. Medical Examiner

- Respond to locations of facilities for comfort and establish adequate security.
- Supervise the location and management of the remains of the deceased.
- Certify the cause of death of the deceased victim and issue death certificates.
- Notify family and release the remains and personal effects to proper representatives.
- Issue press releases in conjunction with the Public Information Officer.
- Identify rescue equipment and needed supplies.
- Coordinate the removal and examination of the body.
- Coordinate with funeral directors, ambulance services, pathologists, ARC, dentists, X-ray technicians and law enforcement for scene security.
- Assist in handling inquiries and informing families about places of current for viewing relatives.
- Additional duties are also found in the various sections and procedures.

22. Finance Director

- Develop financial accounting record procedures for all agencies to report their emergency expenses.
- Maintain a separate record of disaster-related accounts for both revenue and disbursements in the FEMA Subsidies of Equipment.
- Maintain and present a current financial management report.
- Develop procedures for the procurement and delivery of essential resources and supplies on a timely basis.
- Receive the Emergency Operations Center's requests for personnel and assist the Emergency Management Director in the assignment of management personnel and staffing.
- Ensure that response agencies take immediate action on all cases and record subsequent to the emergency situation.
- Additional duties are also found in the various sections and procedures.

23. Damage Assessment Officer/Tax Administrator

- Develop, review and annually update procedures for damage recording and assessment.
- Empire personnel in damage assessment organization techniques and reporting procedures as specified in the FEMA guide of Equitable Relief.
- Maintain a permanent damage assessment team for on-site teams.
- Receive the Emergency Operations Center's requests for personnel and coordinate damage assessment operations in conjunction with the Emergency Management Coordinator.
- Assign teams to assessment teams and duty as appropriate. Assure that teams have communications with the Emergency Operations Center.
- Inform emergency operations officials of damages to facilities (buildings, roads, etc).

http://www.alexandercountync.gov/emergencympg/ EPlan/Webvar/basic.htm

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ALEXANDER COUNTY EMERGENCY PLAN

24 Superintendent of Schools

- Develop emergency plans for all school facilities as well as support transportation operations by providing buses and drivers, as required, for evacuation of the general public along with medical and health care facilities.
- Provide support personnel required to staff communication networks.
- Provide school facilities to temporary need for treatment facilities.
- Provide for fuel supply using reserve fuel being used in transportation activities.
- Direct the evacuation of school populations.
- Coordinate letters of agreement for schools as shelters.
- Plan for transportation of County residents in a disaster including special population groups and dependents daily.
- Coordinate transportation operations, and keep the emergency operations center advised of status.
- Additional duties are also found in the various annexes and procedures.

25 American Red Cross Liaison

- Coordinate the American Red Cross for town and county use identifying human services required for multi-agency operations.
- Provide support personnel as requested.
- Provide sheltering plan for the American Red Cross.
- Provide disaster management to operate ARC shelters, ensure managers follow ARC guidance procedures.
- Provide disaster management and the staff to handle the day-to-day needs of evacuees while the shelter is in operation.
- Assist with shelter evacuation and return of evacuees.
- Identify needs within ARC shelters with special needs.
- Provide disaster management support.
- Assure that personnel are trained in operational care for the day-to-day needs of the evacuees staying in shelters.
- Develop letters of agreement and procedures for shelter activities and assure cooperation of building owners to use of shelter space.
- Assist in handling inquiries and informing families on the status of individuals injured or missing.
- Inspect shelter sites for serviceability.
- Additional duties are also found in the various annexes and procedures.

http://www.alexander County gov/ Emergency Management/Plan/Weather/Basic.htm

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26. Salvation Army/Missional Association

- Provide appropriately trained personnel, as available, to response teams
- Assist American Red Cross in handling inquiries and informing families of the status of individuals injured in this area.
- Provide support personnel for counseling services for disaster victims.
- Assist and support American Red Cross in the forming evacuation for workers and victims of the disaster.
- Additional duties are also found in the various annexes and procedures.

27. Amateur Radio Emergency Service

- Coordinate and provide communications for fielding area mobile elements with the Communications Center (Emergency Operations Center).
- Additional duties are also found in the various annexes and procedures.

28. Cooperative Extension Agent

- Operate out of the County Emergency Operations Center as needed for local advice and liaison with the agricultural community.
- Maintain contact with the agricultural representative of the State Emergency Operations Center for coordination of agricultural activities.
- Assist in repair or reconditioning of agricultural safety equipment.
- Work with the county extension to provide programs for agricultural management assessment teams.
- Coordinate releases of public information with the Public Information Office and the Health Department.
- Additional duties are also found in the various annexes and procedures.

96. Animal Control Officer

- Serve as technical advisor to the Emergency Operations Center on issues dealing with animals.
- Develop an emergency plan dealing with animal control issues and care custody and control of domestic animals in a disaster.
- Assist in developing a policy regarding the release of domestic animals during a disaster and in the necessary changes of disease conditions.
- Additional duties are also found in the various annexes and procedures.

20. Solid Waste Officer

- Serve as department management coordinator to the Emergency Operations Center on issues dealing with debris materials generated by the disaster.
- Develop an emergency plan dealing with debris waste issues and debris disposal in a disaster.
- Develop policies regarding the removal, storage and disposal of solid waste, construction and demolition materials in the event during a disaster and in the recovery phase of disaster operations.
- Additional duties are also found in the various annexes and procedures.

http://www.alexandercountyil.gov/emergencymgmt/ElPlan/Webview/basic.htm 5/7/2012
ALEXANDER COUNTY EMERGENCY PLAN

5. Radiological Officer

- Develop a Radiological Protection System for the County and provide a radiological decontamination facility in consultation with the Missouri Radiological Protection (MRP) Plan.
- Establish a radiological potaslic health-net work in consultation with the State.
- Provide for maintaining exposure records and ensure that individuals are cleared and reported at appropriate frequencies.
- Coordinate county personnel and equipment for radiological monitoring and decontamination as necessary.
- Add personnel duties are also found in the various annex and procedures.

Note: All personnel should ensure the incident Command System has been established and follow guidelines in Alexander County's Incident Management Plan.

V. CONTINUITY OF GOVERNMENT

A. General

The possibility that emergency and disaster occurrences could result in disruption of government facilities necessitates that all levels of local government and key departments develop and maintain procedures to maintain continuity of government. These procedures will name who will be the decision maker if an elected office or department head is not available.

B. Line of Succession

1. The line of succession of the County Board of Commissioners is determined as per the Constitution of the United States, in accordance with jurisdictional policy or law.

C. Preservation of Vital Records

1. It is the responsibility of the selected officials to ensure that all legal and records of both public and private nature recorded by designated officials are protected and preserved in accordance with existing law, statute, and regulations.

D. Relocation of Government

1. The County provides for the relocation of the governing body to the Emergency Operations Center during times of emergency if necessary.

2. If the primary Emergency Operations Center is determined reasonable, the governing body will relocate to an alternate Emergency Operations Center facility or location.

3. The governing body will decide to facilitate within their jurisdictional capability of providing emergency operations. It is required the County EOC will help to support this.

VI. ADMINISTRATION AND LOGISTICS

A. General

http://www.alexandercounty.mo.gov/Emergency预案/Plan/WeberBasic.htm

5/7/2012
1. The Emergency Operations Center operates 24 hours per day and is administered by the Assistant County Manager's Office of Emergency Management. Day-to-day operations are under the direction of the Emergency Management Director.

2. Records and Reports
   1. Records of accomplishments and activities during emergency operations will be maintained by County government.
   2. Records and operational journals of response will be kept.

3. Consumer Protection
   Consumer complaints related to illegal or unfair practices during emergencies will be referred to the State Attorney General’s Consumer Protection Division.

4. Non-Discrimination
   1. There will be no discrimination or prejudice against race, color, religion, nationality, sex, age, or economic status in the execution of disaster preparedness or disaster relief and assistance functions.
   2. This policy applies equally to all levels of government contractors and local unions.

5. Agreements and Understandings
   1. Agreements and understandings must be arrived at by duly authorized officials and should be formalized in writing whenever possible prior to emergency situations.
   2. Should local government resources prove to be inadequate during emergency operations, requests for assistance will be made to other jurisdictions, higher levels of government, and other agencies in accordance with existing or emergency negotiated mutual aid agreements and understandings. Requests for State and Federal resources must be made through the local Emergency Management Coordinator to the State Emergency Operations Center and if possible the Federal Office should be notified.
   3. Organizations tasked with responsibilities in the implementation of this plan are responsible for providing their own administrative and operational needs and for the preparation and maintenance of resources for use in carrying out their emergency responsibilities.

VI. PLAN DEVELOPMENT AND MAINTENANCE

A. The County Manager, through the Emergency Management Coordinator, will oversee development, annual review, and revisions. This plan is to be reviewed on a regular basis with the following criteria: What plans are already in place? Have there been any changes in the plan? What changes need to be made?

B. This plan will be reviewed in accordance with the Federal Emergency Management Agency (FEMA) four-year review plan to ensure a continuous process for those who have an emergency responsibility.

http://www.alexandercountync.gov/ems/FPlan/General/basic.htm 5/7/2012
VIII. RESOLUTIONS

Page 42: **Town of Taylorsville**: Accepted and endorsed on June 5, 2012.

Page 43: **Alexander County**: Accepted and endorsed on June 18, 2012.
TOWN OF TAYLORSVILLE
RESOLUTION ACCEPTING AND ENDORSING THE SOLID WASTE
MANAGEMENT PLAN OF 2012 FOR ALEXANDER COUNTY

WHEREAS, it is in the best interest of the Town of Taylorsville to protect, maintain, and enhance the environment through safe and effective management of municipal solid waste;

WHEREAS, the reduction of the volume and toxicity of the local waste stream is a goal of this community;

WHEREAS, equitable and efficient delivery of solid waste management services is an essential characteristic of the local solid waste management system;

WHEREAS, it is a goal of the community to maintain and improve its physical appearance and to reduce the adverse effects of illegal disposal and littering;

WHEREAS, the Town of Taylorsville recognizes its role in the encouragement of recycling markets by purchasing recycled products;

WHEREAS, involvement and education of the citizenry is critical to the establishment of an effective local solid waste program;

WHEREAS, the State of North Carolina has placed planning responsibility on local government for the management of solid wastes;

WHEREAS, N.C. General Statutes 130A-305 (C) (a) requires each unit of local government, either individually or in cooperation with other units of local government, to update the Ten Year Comprehensive Solid Waste Management Plan at least every three years;

WHEREAS, the Alexander County Solid Waste Management Department has undertaken and completed a long-range planning effort to evaluate the appropriate technologies and strategies available to manage solid waste effectively;

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE TOWN OF TAYLORSVILLE:

The Alexander County’s 2012 Ten-Year Comprehensive Solid Waste Management Plan is accepted and endorsed and placed on file with the Clerk to the Board on this day, June 5th, 2012.

A.M.E.S.

[Signature]

George H. Tolman, Mayor

Winston T. Prince, Town Clerk
ALEXANDER COUNTY GOVERNMENT
RESOLUTION ACCEPTING AND ENDORSING THE SOLID WASTE MANAGEMENT PLAN OF 2012 FOR ALEXANDER COUNTY

WHEREAS, it is a priority of this community to protect human health and the environment through safe and effective management of municipal solid waste;

WHEREAS, the reduction of the amount and toxicity of the local waste stream is a goal of this community;

WHEREAS, equitable and efficient delivery of solid waste management services is an essential characteristic of the local solid waste management system;

WHEREAS, it is a goal of the community to maintain and improve its physical appearance and to reduce the adverse effects of illegal disposal and littering;

WHEREAS, Alexander County Government recognizes its role in the encouragement of recycling markets by purchasing recycled products;

WHEREAS, involvement and education of the citizenry is critical to the establishment of an effective local solid waste program;

WHEREAS, the State of North Carolina has placed planning responsibility on local government for the management of solid waste;

WHEREAS, NC General Statute 130A-309.08A(b) requires each unit of local government, either individually or in cooperation with other units of local government, to update the Ten Year Comprehensive Solid Waste Management Plan at least every three years;

WHEREAS, the Alexander County Solid Waste Management Department has undertaken and completed a long-range planning effort to evaluate the appropriate technologies and strategies available to manage solid waste effectively;

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF ALEXANDER COUNTY:

That Alexander County's 2012 Ten-Year Comprehensive Solid Waste Management Plan is accepted and endorsed and placed on file with Clerk to the Board on this day, [date].

ATTST: [Signature]

Ryan Mayberry, Alexander County Board of Commissioners Chairman [Signature]

Jim Starnes, Clerk to The Board
IX. ORDINANCES


X. COMPLETED PLAN

XI. SUBMITTAL

WHEN COMPLETE, THE PLAN SHOULD BE PLACED ON THE COUNTY WEBSITE IN A CONSPICUOUS PLACE AND AVAILABLE TO THE PUBLIC. A LINK TO THE COMPLETED PLAN SHOULD BE SENT BY E-MAIL TO THE SOLID WASTE SECTION – PROGRAMS AND PLANNING BRANCH. Ethan.brown@ncdenr.gov