



Forsyth County Multi-Jurisdictional Hazard Mitigation Plan 2011 Progress Report

Winston-Salem/Forsyth County
Office of Emergency Management

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Plan Adopted:
September 27, 2010

Jurisdictions Included in Plan:

- Unincorporated Forsyth County (NFIP Community # 375349)
- City of Winston-Salem (NFIP Community # 375360)
- Town of Bethania
- Village of Clemmons
- Town of Kernersville
- Town of Lewisville
- Village of Tobaccoville
- Town of Rural Hall
- Town of Walkertown

Plan Update Background:

During the 2010 Forsyth County Multi-Jurisdictional Hazard Mitigation Plan (FC MJHMP) Update, the Mitigation Planning Team (see p. I-19 of plan for a list of team members), reviewed the mitigation actions contained in the previous plan (FC MJHMP 2005) and identified and analyzed a comprehensive range of new mitigation actions. The statuses of the actions were determined to be completed, ongoing or deleted. Where feasible, mitigation actions were given completion dates. The Team reviewed the local capabilities and determined if actions could readily be accomplished by existing programs, plans, personnel and funds. The Team also reviewed the actions contained in the 2007 North Carolina State Hazard Mitigation Plan and determined that the actions selected for the plan update are consistent with those of the State. The process for prioritizing the selected mitigation actions included discussions by the Mitigation Planning Team about the advantages and drawbacks of each identified action carried over from the previously approved plan as well as new actions identified during the update process. Actions that were carried over from the previous plan were re-prioritized based on the updated risk assessment, existing conditions in the jurisdiction, and current capabilities. The Team sought input from staff of local departments responsible for implementing each action.

Mitigation Actions were evaluated to determine if they:

- Are Cost Beneficial
- Address Identified Hazard Risks
- Are Attainable and Within Identified Capabilities
- Are Technically Feasible



> request a service > report a problem
> make a suggestion

City Council: Mayor Allen Joines; Vivian H. Burke, Mayor Pro Tempore, Northeast Ward; Denise D. Adams, North Ward; Dan Besse, Southwest Ward; Robert C. Clark, West Ward; Molly Leight, South Ward; Wanda Merschel, Northwest Ward; Derwin L. Montgomery, East Ward; James Taylor, Jr., Southeast Ward; City Manager: Lee D. Garrity

Forsyth County Commissioners: Richard V. Linville, Chairman; Debra Conrad, Vice Chair; Walter Marshall; David R. Plyler; Gloria D. Whisenhunt; Bill Whiteheart; Everette Witherspoon; County Manager: Dudley Watts, Jr.

- Are Politically Acceptable
- Are Socially Acceptable
- Are Legal
- Are Environmentally Sound
- Are Compatible with Mitigation Goals & Objectives

Annual Review of Mitigation Action Plan

The Winston-Salem/Forsyth County Office of Emergency Management coordinates an annual review of the Multi-Jurisdictional Hazard Mitigation Plan to ensure that goals and objectives set forth in the plan are kept current and the local mitigation efforts to reduce the impact of natural hazards are being accomplished. The review process involves all members of the Mitigation Planning Team, which includes representatives of all affected County departments, as well as representatives from all jurisdictions included in the plan: the City of Winston-Salem, Town of Bethania, Village of Clemmons, Town of Kernersville, Town of Lewisville, Village of Tobaccoville, Town of Rural Hall and Town of Walkertown.

A progress report is generated to reflect the effectiveness of mitigation action implementation, as outlined in the plan and reviewed by each Mitigation Planning Team member. This report includes any recommended revisions to the plan. To comply with National Flood Insurance Program regulations, this report must be reviewed by each jurisdiction's governing board, released to the media and made available to the public. The report and the Plan are available at the following ReadyFORSYTH (www.ReadyFORSYTH.org) link:

<http://www.readyforsyth.org/category/stayinformed/hazard-mitigation-plan/>

Mitigation Goals & Objectives

All mitigation objectives outlined in the plan support the overall mitigation goals to promote public health, safety and welfare of the citizens of the community; therefore the objectives have not changed and are carried out in the more specific mitigation actions. Mitigation goals and objectives can be found in Section II, p. II-2 - 4 of the FC MJHMP.

Mitigation Actions

Please reference the Mitigation Action Plan (Section II, Table II-1 – p. II-7 - 12) for the discussion of the action items below. Please note that the relative priority, funding source(s), responsible party, target completion date or participating jurisdiction(s) have not changed

for the mitigation action item unless indicated below. Mitigation action items that are “Ongoing” refers to the continuous implementation of the action item, in which no decisive completion date can be set. These action items require constant attention in order to mitigate the objective being addressed and are continuously monitored and implemented by the corresponding Responsible Party listed in Table II. Also note that organizational changes for the City of Winston-Salem have altered the Responsible Party category for varying mitigation actions.

Preventive Actions

Ongoing:

P-1, P-4, P-6, P-7, P-8, P-9, P-12, P-13, P-14, P-15, P-16

Review, Additions & Changes:

P-4 – ADDITION: Clemmons is updating their UDO to incorporate a site plan review item which references Hazard Mitigation Objectives 1.1, 2.1, and 3.2. Site plan petitions will consider and ensure compliance with those objectives and plan reports will indicate thus. To be completed by December 31, 2011. Responsible Party: CL, INSP

P-6 – CHANGE: Delete INSP as Responsible Party and add WSSW

P-7 – ADDITION: Add WSSW to Responsible Party

P-10 – ADDITIONS: Add WSSW to Responsible Party and add Ongoing to Target Completion Date

P-11 – REVIEW: This action was not accomplished during the past year due to budget cuts at the local and state level. Mitigation funding is not expected to increase within the next year; therefore, this action item is unlikely to be completed by the Target Completion Date of 2012.

P-11 – CHANGE: Delete INSP as a Responsible Party

Property Protection Actions

Ongoing:

PP-1, PP-2

Review, Additions & Changes:

PP-2 – REVIEW: In 2009 & 2010, two repetitive flood loss properties were acquired by the City of Winston-Salem. They were demolished and removed from the floodplain with flood mitigation grant monies from North Carolina Emergency Management and FEMA, which was coordinated by the City of Winston-Salem Stormwater Department. Although PP-2 is an ongoing mitigation action item, no structures have been acquired in 2011 due to applications not reaching the repetitive flood loss threshold criteria established by FEMA. Continuous flood losses throughout the United States for recent disasters have caused mitigation grants to become more competitive.

PP-3 – REVIEW: Current ordinance standards restrict encroachment to no more than 50% of the flood fringe. A proposal was made to the Public Works Committee of the Winston-Salem City Council to adopt regulations that would limit flood fringe encroachment to no more than 15%. On September 23, 2010, the City of Winston-Salem Stormwater Division, Winston-Salem/Forsyth County Planning Department and Winston-Salem/Forsyth County Inspections Division conducted a tour of the various flood fringe areas for the Council's Public Works Committee to show how the more restrictive regulations would impact a sampling of flood fringe areas. As of this date, the Committee has not acted on this proposal.

PP-3 – CHANGE: Delete INSP and add WSSW to Responsible Party

ADDITION: Action Item PP-4:

Mitigation Action: Provide cost-share information in conjunction with FEMA flood mitigation grant assistance program information to property owners within the City of Winston-Salem.

Hazard: Flood

Objective(s) Addressed: 3.1, 3.2

Relative Priority: Moderate

Funding Sources: Federal, state & local

Responsible Party: WSSW, EM

Target Completion Date: Complete, Ongoing

Participating Jurisdictions: WS

Emergency Management

Ongoing:

ES-1, ES-2, ES-3, ES-4, ES-5, ES-7, ES-7a, ES-7b, ES-7c, ES-8, ES-9, ES-10, ES-11

Review, Additions & Changes:

ES-5 REVIEW – A ‘Forsyth County CERT Standard Operating Guide’ was developed by Winston-Salem/Forsyth County Emergency Management in 2011. Two CERT courses and a day-long CERT Refresher Workshop were held in 2011, as well.

ES-6 REVIEW – Funding is not available; therefore no progress has been made concerning this action item in the past year. The relative priority remains “high” for the installation of stream gages. Stream gages provide water level information to the National Weather Service and local officials so that they may issue flood watches and warnings as necessary to preserve life and property during rain events or dam failure.

ADDITION: Action Item ES-7a:

Mitigation Action: Acquisition of WebEOC (resource management & communications software). This software is vital to operation of the Emergency Operations Center and can be utilized by all jurisdictions.

Hazard: All

Objective(s) Addressed: 1.1, 1.3

Relative Priority: High

Funding Sources: Local

Responsible Party: EM

Target Completion Date: 2013

Participating Jurisdictions: All

ES-7a REVIEW – EM requested the acquisition of WebEOC in last year’s budget and it was rejected. EM will continue to propose the acquisition of this software for the next budget year.

ADDITION: Action Item ES-7b:

Mitigation Action: Acquire and utilize HAZUS (GIS-based mapping software developed by FEMA that models community impacts for flooding, hurricanes and earthquakes) for mitigation planning

Hazard: Floods, Hurricanes, Earthquakes

Objective(s) Addressed: 1.1, 1.2, 2.1, 2.2, 3.1, 3.2, 4.1

Relative Priority: High

Funding Sources: Federal, state & local

Responsible Party: EM

Target Completion Date: Complete, Ongoing

Participating Jurisdictions: All

ES-7b REVIEW – EM acquired HAZUS and attended several HAZUS training courses at the Emergency Management Institute. Emergency Operations Center GIS support staff is working with EM to develop HAZUS models and other mapping technologies.

ADDITION: Action Item ES-7c:

Mitigation Action: Utilize SME (subject matter expert) support groups to develop emerging technologies in disaster preparedness, mitigation, response and recovery.

Hazard: All

Objective(s) Addressed: 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 4.1

Relative Priority: High

Funding Sources: Local

Responsible Party: EM

Target Completion Date: Complete, Ongoing

Participating Jurisdictions: All

ES-7c REVIEW – EM established an Emergency Preparedness Technology Support Group in order to share knowledge and ideas of SMEs in the fields of technology and disaster management.

ES-10 REVIEW – Clemmons continuously updates their Emergency Management. This year Clemmons added Appendix H to the Plan, which includes the ‘Line of Succession’ for the governing body.

Public Information Activities

Ongoing:

PI-1, PI-2, PI-3, PI-4

Review, Additions & Changes:

PI-2 CHANGE: Delete INSP from Responsible Party and add WSSW. Also delete the Inspections Department verbiage in the Mitigation Actions and add Stormwater Division.

ADDITION: Action Item PI-5:

Mitigation Action: Maintain ReadyFORSYTH website, ReadyFORSYTH social media and ReadyFORSYTH web application for mobile devices. These educational tools provide current emergency preparedness information to Forsyth County residents, business owners and visitors. The website also contains local hazards, events, incidents, training and exercises. The website and social media are accessible via free computer and internet services that are available to the public at all county library locations.

Hazard: All

Objective(s) Addressed: 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 4.1

Relative Priority: High

Funding Sources: Federal, state & local

Responsible Party: EM

Target Completion Date: Complete, Ongoing

Participating Jurisdictions: All