

Durham County
North Carolina

Hazard Mitigation Plan

September 2006

Table of Contents

Durham County, NC Disaster Mitigation Plan

Section	Page
Tab 1	
Approvals	
Resolutions/Approvals/Record of Public Meetings	1
Tab 2	
Executive Summary and General Problem Statement	5
Purpose	6
Hazard Identification	10
Hazard and Vulnerability Analysis	11
Hazard and Vulnerability Mitigation	12
Implementation	12
County Overview	13
Tab 3	
Identifiable Hazard Ratings and History	17
Hazard Ratings and Risk Assessment	17
Wildfire, Earthquakes	26
Flooding	33
Severe Winter Storms	38
Hurricanes	39
Severe Thunderstorms	42
Tornadoes	43
Hazardous Materials	46
Fixed Nuclear Facilities	48
Terrorist	48
Dams, Landslides/sinkholes, Drought	50
Power Failure, Mass Casualties, Large Structural Fires	55
Landfill Fires, Nor'easters	56
Sources	57
Tab 4	
Hazard Vulnerability Assessment	59
Drought	60
Earthquakes	61
Flooding	63
Forest/Wildfires	67
Chemical-Fixed Facility	68
Chemical-Transportation	69
Hurricanes	70
Terrorist Activity	71
Severe Thunderstorms	72

Section	Page
Tornadoes	75
Winter Storms	76
Hazard and Vulnerability Mitigation	77
Vital Facilities	82
Tab 5	
Current Mitigation Measures by Hazard	95
Drought	95
Earthquakes, Fixed Nuclear Facilities	95
Floods	95
Forest Fires	96
Hazardous Materials, Hurricanes	97
Landfill Fires, Large Structural Fires	97
Mass Casualties, Unknown/Other	97
Power Failures, Terrorist Activities	98
Thunderstorms, Tornadoes	99
Winter Storms	100
Tab 6	
Community Capability Assessment	101
Community Goals	104
Hazard Mitigation Strategies	106
Implementation	113
Monitoring and Evaluation	113
Tab 7	
Plan Review, Updates and Revisions	113
Tab 8	
Appendix I Land Use Plan	
Tab 9	
Appendix II 100 Year Floodplain	