

ATTACHMENT 1

Hazard Review

An assembled group of emergency responders, support agencies and town officials, under the direction of the County of Albany, Office of Emergency Management and SEMO, met on numerous occasions over a two-year period (2003-2005) to review the hazard potentials facing the Town of Bethlehem. Using HAZNY, a computerized, automated, inter-active program, developed by SEMO and the American Red Cross, to analyze potential hazards; their likelihood of occurrence and anticipated damage, the assembled group reviewed 23 hazards with a potential to affect Bethlehem. *HAZNY* rated each hazard based on the group's assessment and assigned a numerical value. These values are categorized as follows:

321 to 400	HIGH HAZARD
241 to 320	MODERATELY HIGH HAZARD
161 to 240	MODERATELY LOW HAZARD
44 to 160	LOW HAZARD

The Group rated the 23 hazards as follows:

Terrorism	400.0
Hazardous Materials in Transit	339.7
Hazardous Material at Fixed Sites	326.3
Oil Spill	323.8
Land Slide	314.8
Transportation Accident	303.7
Ice Storm	293.8
Fire	288.2
Winter Storm	262.8
Utility Failure	258.2
Structural Collapse	250.2
Tornado	233.3
Radiological in Transit	231.0
Air Contamination	219.5
Severe Storm	219.2
Civil Unrest	194.5
Flood	190.5
Earth Quake	187.5
Epidemic	181.5
Water Supply Contamination	178.5
Extreme Temperatures	160.2
Explosion	159.2
Drought	152.2

High Hazards

The analysis yielded four high hazards. These are: **Terrorism, Hazardous Materials in Transit, Hazardous Materials at a Fixed Site, and Oil Spill.**

Moderately High Hazards

Six hazards were determined to be Moderately High Hazards. These are **Landslide, Transportation Accident, Ice Storm, Fire, Winter Storm (Severe), Utility Failure, And Structural Collapse.**

Moderately Low Hazards

Ten hazards were determined by the Group to be Moderately Low Hazards. These are **Tornado, Radiological in Transit, Air Contamination, Severe Storm, Civil Unrest, Flood, Earth Quake, Epidemic, Water Supply Contamination and Extreme Temperatures.**

Low Hazards

The analysis produced two Low Hazards. These are **Explosion and Drought.**

Based upon this analysis, the County Emergency Management Office recommends that the Town of Bethlehem investigate mitigation, preparedness and response measures for **Terrorism**, the highest rated hazard. Next, **Hazardous Material**, both fixed site and in-transit, and **oil spills** the next three highest rated hazards. In addition, mitigation measures should also be considered for all of the remaining Moderately High Hazards, including but not limited to, **Landslide, Transportation Accident, Ice Storm, Fire, Winter Storm, Utility Failure and Structural Collapse.**

Appendix 1:

The complete report, as tendered by the County of Albany Sheriff's Department, Office of Emergency Management can be found as Appendix 1 of the Town of Bethlehem Comprehensive Emergency Management Plan, included herein.