

PENNSYLVANIA DEPARTMENT OF HEALTH
PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CLIMATE CHANGE AND PUBLIC HEALTH
FLOODING HAZARDS AND MANAGING RISK
AUGUST 2010

I. HEALTH

a. Health Effects

i. Drowning

1. Susceptible Population

- a. Residents Living in Floodway and Floodplain**
- b. Citizens Driving through Flooded Roadways**
- c. Emergency Medical Services Personnel**
 - i. Volunteer Firemen**
- d. Emergency Management Personnel**

ii. Infectious Diseases from Flood Waters

1. Susceptible Population

- a. Residents Living in Floodway and Floodplain**
- b. Emergency Medical Services Personnel**
 - i. Volunteer Firemen**
- c. Emergency Management Personnel**
- d. Post Flood Assessment Personnel**

iii. Molds and Fungi Exposures during Recovery Efforts

1. Susceptible Population

- a. Residents Living in Floodway and Floodplain**
- b. Construction Contractors**

b. Partners

- i. Pennsylvania Department of Environmental Protection**
- ii. Pennsylvania Emergency Management Agency**
- iii. Pennsylvania Department of Community and Economic Development**
- iv. Pennsylvania State Association of Township Supervisors**
- v. Pennsylvania State Association of Boroughs**
- vi. County Commissioners Association of Pennsylvania**
- vii. Pennsylvania Association of Floodplain Managers**
- viii. Susquehanna River Basin Commission**
- ix. Delaware River Basin Commission**
- x. Federal Emergency Management Agency**

- xi. **National Oceanic and Atmospheric Administration National Weather Service (NWS)**
- xii. **U.S. Geological Survey (USGS)**
- c. **Databases/Sources**
 - i. **Flood Insurance Policies**
 - ii. **Digital Flood Insurance Rate Maps**
 - iii. **NWS Advanced Hydrologic Prediction Service**
 - iv. **Flood inundation Maps**
 - v. **USGS National Water Information System**
 - vi. **Dams and Levee databases**
 - 1. **State level**
 - 2. **Federal level**

II. ENVIRONMENT

- a. **Managing Risk**
 - i. **Floodplain Management**
 - 1. **Municipal Ordinances**
 - ii. **National Flood Insurance Program**
 - iii. **State and County Hazard Mitigation Plans**
 - iv. **Promoting the Solution**
 - 1. **Public Outreach**
 - 2. **NWS Turn Around Don't Drive Campaign**
 - 3. **Communications**
 - 4. **Marketing**