

## Tatamy Borough, Northampton County Annex

### Hazard Mitigation Plan Points-of-Contact

#### Primary:

Donald DeReamus  
Emergency Management Coordinator  
423 Broad Street, P.O. Box 218, Tatamy, PA 18085  
610-972-2519  
ddereamus@suburbanems.org

#### Alternate:

### Municipal Profile

Tatamy Borough is located in the central part of Northampton County. It encompasses an area of approximately 0.5 square miles, and has a population of 1,203 (2010 Census). The Borough of Stockertown to the north; Forks Township to the east; and Palmer Township to the south, west, and north borders the borough.

The Bushkill Creek runs along the borough's eastern border.

Main Street is the borough's major east-west road, travelling through the middle of the borough. 8th Street runs north-south in the western part of the borough. There are several other secondary roads parallel to each of these.

### Municipal Participation

1. Identify municipal stakeholders to be involved in the planning process such as, floodplain administrator, public works, emergency management, engineers, planners, etc., and include their specific role in the process.

Don DeReamus, Emergency Management Coordinator  
Role:

Kim Albert, Fire Company President  
Role:

Keith Snyder, Police Chief  
Role:

Robert Hayes, Council President  
Role:

John Soloe, Zoning Officer  
Role:

Ryan McGinley, Public Works Supervisor  
Role:

Shawn McDonald, Fire Company Chief  
Role:

Christopher Moren, Mayor  
Role:

**Municipal Participation – continued**

- Identify community stakeholders such as; neighborhood groups, religious groups, major employers / businesses, etc., that will be informed and / or involved in the planning process and describe how they will be involved.

Will be informed of the Plan:

Equipto	Tatamy Food Mart & Service Center
Mondelez	Charles Chrin Co.
Northampton Farm Bureau	Signature Homes
Llantrisant Health & Wellness Center	Hope Lutheran Church
Grist Mill House	St. Peter’s UCC

- Describe how the public **will be engaged** in the current planning process examples, newsletters, social media, etc., **and how they were engaged** since the 2013 Hazard Mitigation Plan.

Newsletter, flyers, website, Facebook, Twitter, Nixel.  
These were used in 2013 as well.

**Compliance with the National Flood Insurance Program (NFIP)**

Topic	Identify source of information, if different from the one listed.	Additional Comments
<b>1. Staff Resources</b>		
Is the Community Floodplain Administrator (FPA) or NFIP Coordinator certified?	Community FPA	Yes
Is floodplain management an auxiliary function?	Community FPA	Yes
Provide an explanation of NFIP administration services (e.g., permit review, GGIS, education or outreach, inspections, engineering capability)	Community FPA	Permit review, Inspections
What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	
<b>2. Compliance History</b>		
Is the community in good standing with the NFIP?	State NFIP Coordinator, FEMA NFIP Specialist, or community records	Yes
Are there any outstanding compliance issues (i.e., current violations)?		No
When was the most recent Community Assistance Visits (CAV) or Community Assistance Contact (CAC)?		
Is a CAV or CAC scheduled or needed?		

## Compliance with the National Flood Insurance Program (NFIP) – *continued*

Topic	Identify source of information, if different from the one listed.	Additional Comments
<b>3. Regulation</b>		
When did the community enter the NFIP?	NFIP Community Status Book	April 12 <sup>th</sup> , 1974
Are the Flood Insurance Rate Maps (FIRMs) digital or paper? How are residents assisted with mapping?	Community FPA	Both, they can be assisted by our Zoning Officer John Soloe.
Do floodplain regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	Community FPA	Meet requirements
Describe the permitting process	Community FPA, State, FEMA NFIP	Per ordinance 262-2014
<b>4. Insurance Summary</b>		
How many NFIP policies are in the community? What is the total premium and coverage?	State NFIP Coordinator or FEMA NFIP Specialist	
How many claims have been paid in the community? What is the total amount of paid claims? How many substantial damage claims have there been?	FEMA NFIP or Insurance Specialist	
How many structures are exposed to flood risk within the community?	Community FPA or GIS Analyst	10
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA or FEMA Insurance Specialist	
<b>5. Community Rating System (CRS)</b>		
Does the community participate in CRS?	Community FPA, State, or FEMA NFIP	No
If so, what is the community's CRS Class Ranking?	Flood Insurance Manual ( <a href="http://www.fema.gov/floodinsurancemanual.gov">http://www.fema.gov/floodinsurancemanual.gov</a> )	N/A
What categories and activities provide CRS points and how can the Class be improved?		N/A
Does the plan include CRS planning requirements?	Community FPA, FEMA CRS Coordinator, or ISO representative	N/A

## Community Assets

Community assets are defined to include anything that is important to the character as well as the function of a community, and can be described in four categories, they are; people, economy, natural environment and built environment. Please identify the community assets and location under each category.

### 1. People

- Concentrations of vulnerable populations such as the elderly, physically or mentally disabled, non-English speaking, and the medically or chemically dependent.

Listed in our Emergency Management Operations Plan and residential list used by police department and fire company.

**Community Assets – continued**

- Types of visiting populations where large numbers of people are concentrated such as visitors for special events and students.

Car Show  
 Veg Stock  
 Fireworks

Borough events, sporting events, at Braden Park.

**2. Economy**

Major employers, primary economic sectors such as agriculture and commercial centers where losses would have a severe impact on the community.

Equipto  
 Mondelez  
 Tony's Pizza

Gerhart  
 Martin Guitar

**3. Natural Environment**

Those areas / features that can provide protective functions that reduce the magnitude of hazard events such as, wetlands or riparian areas, and other environmental features important to protect.

Along Bushkill Creek, east and west sides

**4. Built Environment**

- Existing structures such as, concentrations of buildings that may be more vulnerable to hazards based on location, age, construction type and / or condition of use.

Equipto  
 2 locations on Main Street  
 8 locations on Bushkill Street

1 location on Broad Street  
 Half of homes were built before or around 1900

- Infrastructure systems such as water and wastewater facilities, power utilities, transportation systems, communication systems, energy pipelines and storage.

Bushkill Creek  
 UGI  
 PPL  
 Met-Ed

SR 1001 & 2017  
 Route 33  
 Met-Ed Transmission Lines

**Community Assets – continued**

- High potential loss facilities such as, dams, locations that house hazardous materials, military and / or civilian defense installations.
  - 1 location on Main Street
  - 1 location on Bushkill Street
  
- Critical facilities such as, hospitals, medical facilities, police and fires stations, emergency operations centers, shelters, schools and airports / heliports.
  - 1 location on Broad Street
  - 1 location on Bushkill Street
  - 1 location on S. 8<sup>th</sup> Street
  
- Cultural / historical resources such as, museums, parks, stadiums, etc.
  - 1 location on Broad Street
  - Braden Park
  - Broad Street Park
  - High Street Park
  - Mark Metz Park
  - Tatamy Bike Path

**Capability Assessment**

Capability	✓ Regulatory ✓ Tools ✓ Programs	Status			Department / Agency Responsible	Effect on Hazard Loss Reduction: -Supports -Neutral -Hinders	Change since 2013 Plan? + Positive - Negative	Has the 2013 Plan been integrated into the Regulatory Tool/Program ? If so, how?	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		In Place	Date Adopted or Updated	Under Development						
1. Planning & Regulatory	Comprehensive Plan	X	11/6/2006	X						Currently working on updates
	Capital Improvement Plan									
	Economic Development Plan									
	Continuity of Operations Plan									
	Stormwater Management Plan / Ordinance	X	6/7/1993, amended 5/7/2007							

**Capability Assessment – continued**

Capability	✓ Regulatory ✓ Tools ✓ Programs	Status			Department / Agency Responsible	Effect on Hazard Loss Reduction: -Supports -Neutral -Hinders	Change since 2013 Plan? + Positive - Negative	Has the 2013 Plan been integrated into the Regulatory Tool/Program ? If so, how?	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		In Place	Date Adopted or Updated	Under Development						
1. Planning & Regulatory	Open Space Management Plan (or Parks/Rec., Greenways Plan)	X	8/3/2015							
	Natural Resource Protection Plan									
	Transportation Plan									
	Historic Preservation Plan									
	Floodplain Management Plan									
	Farmland Preservation									
	Evacuation Plan	X								
	Disaster Recovery Plan									
	Hazard Mitigation Plan	X	11/2018					N/A		
	Emergency Operations Plan	X	1/2020							Will be updated in 2022
	Zoning Regulations	X	1991							Will start updates in 2022
	Floodplain Regulations	X								
	NFIP Participation	X								
	Building Code									
Fire Code										
Other										

**Capability Assessment – continued**

Capability	✓ Staff ✓ Personnel ✓ Resources			Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		Yes	No				
2. Administrative & Technology	Planners (with land use / land development knowledge)	X		Planning Commission, Zoning Officer, Engineer			
	Planners or engineers (with natural and / or human-caused hazards knowledge)	X		Hanover Engineer			
	Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors)	X		Hanover Engineer			
	Emergency Manager	X		Don DeReamus			
	Floodplain administrator / manager	X		John Soloe			
	Land surveyors	X		Hanover Engineer			
	Staff familiar with the hazards of the community	X		Emergency Management Operations Plan			
	Personnel skilled in Geographical Information Systems (GIS) and / or FEMA's HAZUS program	X		Hanover Engineer			
	Grant writers or fiscal staff to handle large / complex grants						
	Other						

**Capability Assessment – continued**

Capability		Yes	No	Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
<b>3. Financial Resources</b>	Capital improvement programming						Applying for RCAP
	Community Development Block Grants (CDBG)	X					
	Special purposes taxes						
	Gas / Electricity utility fees						
	Water / Sewer fees	X					
	Stormwater utility fees						
	Development impact fees						
	General obligation, revenue, and / or special tax bonds	X					
	Partnering arrangements or intergovernmental agreements						
	Other						

Capability	<ul style="list-style-type: none"> <li>✓ Program</li> <li>✓ Organization</li> </ul>	Yes	No	Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
<b>4. Education &amp; Outreach</b>	Firewise Communities Certification						
	StormReady Certification						
	Natural disaster or safety-related school programs						
	Ongoing public education or information programs such as, responsible water use, fire safety, household preparedness, and environmental education.	X					
	Public-private partnership initiatives addressing disaster related issues.						
	Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	X		Bushkill Stream Conservancy			
	Other						

**Capability Assessment – continued**

Capability		Degree of Capability			Change since the 2013 Hazard Mitigation Plan? If so, how?	Additional Comments
		Limited	Moderate	High		
5. Self – Assessment	Planning and Regulatory	X				
	Administrative and Technical	X				
	Financial	X				
	Education and Outreach	X				

**Known or Anticipated Future Development / Redevelopment**

Development / Property Name	Type of Development	Number of Structures	Location	Known Hazard Zone	Description / Status
Charles Chrin Company	Light Industrial, Business, Commercial	Not determined	All properties West of 8 <sup>th</sup> Street		To be developed over the next 10 years
Tatamy Farms	Residential	80	North of Main Street, East of Trisha Street		Half-way through development

**Natural & Non-Natural Event History Specific to Tatamy Borough**

Type of Event and Date(s)	FEMA Disaster # (if applicable)	Local Damage(s) or Loss(es)
Snow Storm Jonas, 1/22/2016	DR-4267-PA	Reimbursement for labor and equipment from PEMA
Pennsylvania COVID-19 Pandemic – 1/2020	DR-4506-PA	Emergency Protective measures to combat COVID-19 Pandemic.
Tropical Storm Isaias – 8/2020		Flooding to residents, businesses, and municipal parks
Remnants of Hurricane Ida	DR-4618-PA	Assistance to eligible individuals and families affected by this disaster.

### 2013 Municipal Action Plan Status

Existing Mitigation Action (from 2013 Hazard Mitigation Plan)		Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
1	Complete land swap with Equipto. This will allow the Borough to establish this property in the flood zone as residential use (bike path, part of rails to trails)				X		Land swap complete. Work to begin on bike path in 2018. Action not carried through to the 2018 Action Plan.
2	Possible relocation of Fire Dept., Police Dept., & Municipal Building. Fire Company is located in the flood zone.	X					
3	Continue to support PennDOT projects to Install four (4) new storm water drains at Main Street Bridge/Bushkill Creek and replace the bridge to alleviate flooding in this area.				X		Action not carried through to the 2018 Action Plan.
4	Install silk matting along banks of Bushkill creek at Braden Park			X			
5	Signature Homes new plan give the Borough 6+ acres for recreation/bike path		X				Working with County on bike path location.
6	Enhance Geo-tech investigation for new developments			X			
7	Draft/send letters to 10 property owners in flood zone			X			
8	Retrofit structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for retrofitting based on cost-effectiveness versus relocation. Phase 2: Where retrofitting is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	X					
9	Purchase, or relocate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for relocation based on cost-effectiveness versus retrofitting. Phase 2: Where relocation is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	X					

**2013 Municipal Action Plan Status – continued**

	Existing Mitigation Action (from 2013 Hazard Mitigation Plan)	Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
10	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified below.				X		Action carried through to the 2018 Action Plan.
11	Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction: - Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. - Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation. - Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures. - Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.				X		Action carried through to the 2018 Action Plan.
12	Begin the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements).	X					
13	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.	X					
14	Have designated NFIP Floodplain Administrator (FPA) become a Certified Floodplain Manager through the ASFPM, and pursue relevant continuing education training such as FEMA Benefit-Cost Analysis.	X					
15	Archive elevation certificates			X			
16	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0			X			

**2013 Municipal Action Plan Status – continued**

	Existing Mitigation Action (from 2013 Hazard Mitigation Plan)	Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
17	Complete the ongoing updates of the Comprehensive Emergency Management Plans			X			
18	Create/enhance/ maintain mutual aid agreements with neighboring communities for continuity of operations.			X			
19	Identify and develop agreements with entities that can provide support with FEMA/PEMA paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/PEMA paperwork compilation, submissions, record- keeping			X			
20	Work with regional agencies (i.e. County and PEMA) to help develop damage assessment capabilities at the local level through such things as training programs, certification of qualified individuals (e.g. code officials, floodplain managers, engineers).			X			

**Notes:**

1. Actions not carried through to the 2018 Action Plan are so noted.
2. To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to the 2018 Action Plan even if identified by the municipality as completed.

## 2018 Mitigation Action Plan

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
1	Possible relocation of Fire Dept., Police Dept., & Municipal Building. Fire Company is located in the flood zone.	Structure & Infrastructure	Flood		High	FEMA Mitigation Grant Programs; Municipal Budgets; other grants as eligible (e.g. EMPG)	Grant Committee	Long-term (depending on funding)	Existing
2	Install silk matting along banks of Bushkill creek at Braden Park	Natural Systems Protection	Flood	High	Medium	FEMA Mitigation Grant Programs; Municipal Budgets	Road Department	Ongoing	Existing
3	Signature Homes new plan give the Borough 6+ acres for recreation/bike path	Structure & Infrastructure	Flood	Medium	High	Grants, builder funding, municipal	Planning Com.	Ongoing	N/A
4	Enhance Geo-tech investigation for new developments	Local plans & Regulations	All hazards	Medium	Medium	Builder funded	Planning Com.	Ongoing	New
5	Draft/send letters to 10 property owners in flood zone	Structure & Infrastructure	Flood	High	Low	Municipal Budget	Municipality	Ongoing	Existing

**2018 Mitigation Action Plan – continued**

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
6	Retrofit structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for retrofitting based on cost- effectiveness versus relocation. Phase 2: Where retrofitting is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	Structure & Infrastructure	Flood	Medium-High	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, FEMA	Long-term (depending on funding)	Existing
7	Purchase, or relocate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for relocation based on cost- effectiveness versus retrofitting. Phase 2: Where relocation is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	Structure & Infrastructure	Flood	Medium-High	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, FEMA	Long-term (depending on funding)	Existing

**2018 Mitigation Action Plan – continued**

	<b>Mitigation Action</b>	<b>Mitigation Technique Category</b>	<b>Hazard(s) Addressed</b>	<b>Priority (H / M / L)</b>	<b>Estimated Cost</b>	<b>Potential Funding</b>	<b>Lead Agency / Department</b>	<b>Implementation Schedule</b>	<b>Applies to New and / or Existing Structures</b>
<b>8</b>	Maintain compliance with and good standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP- related continued compliance actions identified below.	Local plans & Regulations	Flood, Windstorm/ Tornado, Winter Storm	High	Low - Medium	Municipal Budget	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, ISO FEMA	Ongoing	New & Existing

**2018 Mitigation Action Plan – continued**

Mitigation Action	Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
<p><b>9</b> Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction:</p> <ul style="list-style-type: none"> <li>- Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages.</li> <li>- Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation.</li> <li>- Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures.</li> <li>- Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.</li> </ul>	Education & Awareness	All Hazards	High	Low-Medium	Municipal Budget	Municipality with support from Planning Partners, PEMA, FEMA	Short-term	N/A
<p><b>10</b> Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements).</p>	Local plans & Regulations	Flood	High	Low	Municipal Budget	Municipal Engineer/NFIP Floodplain Admin. w/ support from PEMA, FEMA	Short-term	New & Existing

**2018 Mitigation Action Plan – continued**

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
11	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.	Local plans & Regulations	Flood	Medium	Low	Municipal Budget	NFIP Floodplain Administrator with support from PA DEP, PEMA, FEMA	Short-term	N/A
12	Have designated NFIP Floodplain Administrator (FPA) become a Certified Floodplain Manager through the ASFPM and/or pursue relevant continuing education training such as FEMA Benefit-Cost Analysis.	Local plans & Regulations	Flood	High	Low	Municipal Budget	NFIP Floodplain Administrator	Short-term (depending on funding)	N/A
13	Obtain and archive elevation certificates for NFIP compliance.	Local plans & Regulations	Flood	High	Low	Municipal Budget	NFIP Floodplain Administrator	Ongoing	N/A
14	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	All Categories	All Hazards	High	Low – High (for 5-year update)	Municipal Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Municipality (via mitigation planning point of contacts) with support from Planning Partners (through their Points of Contact), PEMA	Ongoing	New & Existing
15	Complete the ongoing updates of the Comprehensive Emergency Management Plans	Local plans & Regulations	All Hazards	High	Low	Municipal Budget	Municipality with support from PEMA	Ongoing	New & Existing
16	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.	All Categories	All Hazards	High	Low	Municipal Budget	Municipality with support from surrounding municipalities and County	Ongoing	New & Existing

**2018 Mitigation Action Plan – continued**

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
17	Develop and maintain capabilities to process FEMA/PEMA paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/PEMA paperwork compilation, submissions, record keeping.	Education & Awareness	All Hazards	Medium	Medium	Municipal Budget	Municipality with support from County, PEMA, FEMA	Short-term	N/A
18	Work with regional agencies (i.e. County and PEMA) to help develop damage assessment capabilities at the local level through such things as training programs, certification of qualified individuals (e.g. code officials, floodplain managers, engineers).	Education & Awareness	All Hazards	Medium	Medium	Municipal budget, FEMA HMA and HLS grant programs	Municipality with support from County, PEMA	Short-, long-term (depending on funding)	N/A
19	Adopt an updated parks, recreation and open space plan	Local plans & Regulations	Flood, Subsidence/ Sinkhole	Medium	Various	Municipal Budget	Recreation Board	Long-term, ongoing	N/A
20	Coordinate with the County Emergency Management Agency and PA Department of Health, which is responsible for setting up points of distribution and providers for immunizations.	Local plans & Regulations	Pandemic and Infectious Disease	Medium	Low	Municipal Budget	Municipality, working with County EMA and PA Department of Health	Ongoing	N/A
21	Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks.	Local plans & Regulations	Pandemic and Infectious Disease	Medium	Low	Municipal Budget	Municipality	Short-term	N/A
22	Devise a municipal continuity of operations plan to keep essential services running in the event that a significant portion of the workforce is affected.	Local plans & Regulations	Pandemic and Infectious Disease	Medium	Low	Municipal Budget	Municipality	Short-term	N/A
23	Devise a public education and outreach plan regarding disease prevention.	Education & Awareness	Pandemic & Infectious Disease	Medium	Low	Municipal Budget	Municipality	Ongoing	N/A

**2018 Mitigation Action Plan – continued**

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
24	Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures.	Education & Awareness	Invasive Species	High	Low	Municipal Budget	Municipality	Ongoing	N/A
25	Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form.	Education & Awareness	Invasive Species	High	Low	Municipal Budget	Municipality	Short-term	N/A
26	Provide training and education for first responders to ensure effective emergency care.	Local plans & Regulations	Drug Overdose Crisis	High	Low	Municipal Budget	Municipality	Ongoing	N/A
27	Provide education and outreach, especially in K-12, regarding drug abuse prevention.	Education & Awareness	Drug Overdose Crisis	High	Low	Municipal Budget	Municipality/ School District	Ongoing	N/A
28	Purchase and installation of permanent, alternative power source (IE: generator) at the municipal building. Municipal building houses the borough police department, municipal offices, and serves as the borough's Emergency Operations Center (EOC) during times of need.	Structure & Infrastructure	All Hazard	High	Medium – High	FEMA Mitigation Grant Programs, Municipal Budget	Municipality with support from Local EM	Short Term	Existing Structures

**Notes:****Estimated Costs:**

- Where actual project costs have been reasonable estimated: Low = < \$10,000; Medium = \$10,000 to \$100,000; High = > \$100,000;
- Where actual project costs cannot reasonably be established at this time:

**Low** = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

**Medium** = Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

**High** = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

**Potential Funding (FEMA HMA):**

- **BRIC** = Building Resilient Infrastructure and Communities
- **FMA** = Flood Mitigation Assistance Grant Program
- **HMGP** = Hazard Mitigation Grant Program
- **HSGP** = Homeland Security Grant Program
- **EMPG** = Emergency Management Performance Grant

**Implementation Schedule:**

- **Short Term** = 1 to 5 years
- **Long Term** = 5 years or greater
- **DOF** = Depending on Funding

**Applies to New and/or Existing Structures:**

- **N/A** = Not Applicable