

Meeting	Allegany County Hazard Mitigation Plan (HMP) Mitigation Solutions Workshop #1		
Date	August 31, 2016	Time	6:00 – 7:40 p.m.
Location	Allegany County Office of Emergency Services (OES)		
Attendees	Jeff Luckey, Director, Allegany County OES		
	Mike Barney, Assistant Director, Allegany County OES		
	Bonnie VanHousen, Administrative Assistant, Allegany County OES		
	Tyler Shaw, Environmental Health Director, Allegany County Department of Health		
	James Blouvet, Supervisor, Town of Friendship		
	Mike Bidwell, Superintendent, Town of Friendship		
	Brent Platt, Supervisor, Town of West Almond		
	Jeff Ellenberger, Highway Superintendent, Town of West Almond		
	Chris Hunsicker, Regional Manager - Environmental Operations, Norfolk Southern		
Tony Subbio, Project Manager, Tetra Tech, Inc.			

Purpose

The purpose of the Mitigation Solutions Workshop was to discuss the ways in which each jurisdiction in Allegany County can identify mitigation actions for inclusion in the updated HMP. This was the first of two identical meetings held for this purpose.

Discussion Points

This section summarizes each discussion point addressed during the meeting.

Goals and Objectives

Mr. Subbio reviewed the set of goals and objectives that were approved by the Steering Committee. The set of goals and objectives is simplified and shortened from the 2011 HMP. Mr. Subbio pointed out that the new goals are aligned with the categories of mitigation actions.

Problem Statements

Mr. Subbio then discussed that each jurisdiction should identify problems that they hope to solve through hazard mitigation. These problems could be issues of concern to the public, the local government, or other stakeholders. The identified problem areas can also be found by reviewing the risk assessment and the jurisdiction's vulnerability to each hazard. Problem statements form the basis of the hazard mitigation actions identified in the HMP.

Problem statements that were identified during the meeting are listed below:

- Erosion along the Genesee River threatens structures.
- In the Town of Belfast, the Genesee River threatens homes.

Categories of Mitigation Actions

Mr. Subbio reviewed the four types of mitigation actions and provided examples of each type. The four categories of mitigation actions are as follows:

- Local Plans and Regulations
- Structure and Infrastructure Projects
- Natural Systems Protection
- Education and Awareness Programs

New Mitigation Actions

The mitigation action categories provide options for solving the issues identified in the problem statements. Mr. Subbio advised attendees to consider each mitigation action category, and to not let the lack of funding for project implementation stop the jurisdiction from including an action on the list.

Mr. Subbio pointed out that the flood damage prevention ordinance for every town and village in Allegany County was written in the early 1980s, following the Federal Emergency Management Agency's (FEMA) creation of the effective flood insurance rate maps (FIRM) in 1982. Since then, New York State has passed a law requiring freeboard on all new development. This requirement is not reflected in flood damage prevention ordinances; therefore, each jurisdiction should update its ordinance to include freeboard.

In addition, all jurisdictions with critical facilities in the 0.2-percent annual chance floodplain (the 500-year floodplain) must include a specific action for protecting those facilities to the 500-year flood level.

Mr. Subbio provided the attendees with a set of sample mitigation actions to help each jurisdiction develop their own actions to include in the HMP.

Mr. Subbio requested that each jurisdiction develop a simple list of mitigation actions and send it to Mr. Luckey and Mr. Subbio. Tetra Tech planners will then work with the jurisdictions to gather all other required information.

Mitigation Action Worksheet

Mr. Subbio reviewed the Action Worksheet with the group. The worksheets are used to capture information about all mitigation actions. Mr. Subbio pointed out one exception: actions that show hazard mitigation integrated into normal municipal operations—such as ongoing maintenance of floodplain regulations—do not require Action Worksheets.

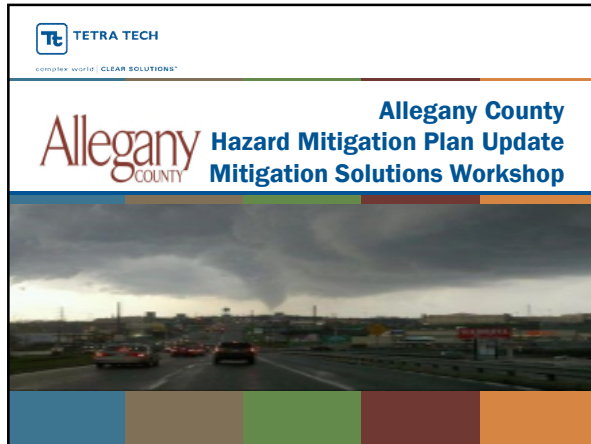
Mr. Subbio reviewed an example of a completed Action Worksheet.

Next Steps

The following next steps were discussed at the meeting:


- Jurisdictions will complete the Action Worksheets and send them to Mr. Luckey and Mr. Subbio.
- Jurisdictions will send a list of new mitigation actions to Mr. Luckey and Mr. Subbio.
- Tetra Tech will work with each jurisdiction to complete Action Worksheets for applicable mitigation actions.
- During their next meeting, the Planning Partnership will review the completed draft HMP. This meeting will be scheduled towards the end of 2016.

The meeting adjourned at 7:40 p.m.



Agenda

- Welcome
- Goals and Objectives
- Problem Statements
- Categories of Mitigation Actions
- New Mitigation Actions
- Mitigation Action Worksheet
- Next Steps
- Questions



Goals and Objectives

Allegany County Hazard Mitigation Plan – Goals and Objectives

Goal 1 – Prevent hazards from impacting life, property, and the environment.

- Objective 1.1 – Incorporate hazard mitigation into new and existing laws.
- Objective 1.2 – Develop, maintain, and enforce regulations to prevent and/or minimize the impacts of hazards.
- Objective 1.3 – Maintain stormwater management and drainage systems.

Goal 2 – Protect life, property, the environment, and the economy from hazard impacts.


- Objective 2.1 – Protect critical facilities and infrastructure.
- Objective 2.2 – Acquire, elevate, relocate, and/or retrofit existing structures located in hazard areas.

Goal 3 – Enhance disaster/emergency preparedness within the community.

- Objective 3.1 – Improve public knowledge of hazards and protective measures that individuals can take.
- Objective 3.2 – Promote citizen preparedness.

Goal 4 – Protect, preserve, and restore the functions of natural systems.

- Objective 4.1 – Develop and implement policies that protect the environment and natural systems.
- Objective 4.2 – Protect and conserve natural environments and open space.




Problem Statements

- What issues concern the public?
- What issues concern the County/Town/Village?
- What issues concern other stakeholders?

- Review the risk assessment

- *“I really wish we could fix _____!”*
- *“Why didn’t our residents _____?”*
- *“It’s been a long time since we updated our _____!”*



Categories of Mitigation Actions

- Local Plans and Regulations
 - Policies
 - Ordinances
 - Community plans/strategies
- Structure and Infrastructure Projects
 - Upgrade stormwater management system
 - Acquire, elevate, and relocate structures
 - Retrofit



Categories of Mitigation Actions

- Natural Systems Protection
 - Protect wetlands
 - Restore waterways
- Education and Awareness Programs
 - School assemblies
 - Community meetings
 - Mailers
 - Newsletters



ALLEGANY COUNTY HAZARD MITIGATION PLAN UPDATE PROJECT
Mitigation Solutions Workshop #1 Agenda

Wednesday, August 31, 2016 | 6:00 – 8:00 p.m.

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1. Welcome

 2. Goals and Objectives

 3. Problem Statements

 4. Categories of Mitigation Actions

 5. New Mitigation Actions

 6. Mitigation Action Worksheet

 7. Next Steps
 - a. Complete data collection worksheets
 - b. Provide lists of new mitigation actions
 - c. Complete Action Worksheets
 - d. Finalize the updated mitigation strategy
 - e. Next Meeting – Review the Mitigation Strategy

 8. Questions



Allegany County Hazard Mitigation Plan – Goals and Objectives

Goal 1 - Prevent hazards from impacting life, property, and the environment.

- Objective 1.1 - Incorporate hazard mitigation into new and existing laws.
- Objective 1.2 - Develop, maintain, and enforce regulations to prevent and/or minimize the impacts of hazards.
- Objective 1.3 - Maintain stormwater management and drainage systems.

Goal 2 - Protect life, property, the environment, and the economy from hazard impacts.

- Objective 2.1 - Protect critical facilities and infrastructure.
- Objective 2.2 - Acquire, relocate, elevate, and/or retrofit existing structures located in hazard areas.

Goal 3 – Enhance disaster/emergency preparedness within the community

- Objective 3.1 - Improve public knowledge of hazards and protective measures that individuals can take.
- Objective 3.2 - Promote citizen preparedness.

Goal 4 - Protect, preserve, and restore the functions of natural systems.

- Objective 4.1 - Develop and implement policies that protect the environment and natural systems.
- Objective 4.2 - Protect and conserve natural environments and open space.

Sample Mitigation Actions

Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Est. Benefits	Est. Cost	Sources of Funding	Timeline	Priority	Mitigation Category
Update the flood damage prevention ordinance.	New	Flood	1	Town/Village Board	High	Low	Operating Budget	Short Term	XXX	LPR
Implement new community regulations, such as stormwater management and zoning.	New	All	1	Town/Village Board	High	Low	Operating Budget	Short Term	XXX	LPR
Develop a strategy to reduce the time necessary to clear streets (rights of way) of debris.	Existing	Flood, Severe Storm, Severe Winter Storm	2	Highway Superintendent	Medium	Low	Operating Budget	Short Term	XXX	LPR
Acquire, elevate, relocate, and/or retrofit facilities out of hazard areas.	Existing	Dam Failure, Flood, Hazardous Materials, Landslide, Levee Failure, Wildfire	2	Town/Village Board	High	High	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, Operating Budget	Long Term	XXX	SIP
Flood-proof the [CRITICAL FACILITY IN THE FLOODPLAIN] to the 500-year flood (0.2-percent annual chance flood) level.	Existing	Flood, Severe Storm	2	Town/Village Public Works, Planning Board	High	High	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, Operating Budget	Short Term	XXX	SIP

Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Est. Benefits	Est. Cost	Sources of Funding	Timeline	Priority	Mitigation Category
Identify facilities that store hazardous materials outdoors, and work with them to implement measures to prevent spills.	Existing	Hazardous Materials	2, 3	Code Enforcement	High	Low	Operating Budget	Short Term	XXX	SIP
Install a backup generator at [FACILITY]. (This type of activity requires an Action Worksheet.)	Existing	Severe Storm, Severe Winter Storm, Utility Failure	2	Town/ Village Public Works / Highway	Medium	Medium	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, Operating Budget	Short Term	XXX	SIP
Expand culvert capacity at [VULNERABLE ROAD] to meet 50-year storm requirements and reduce flooding overflow. (This type of activity requires an Action Worksheet.)	Existing	Flood, Severe Storm	2, 4	Town/ Village Public Works / Highway	Medium	Medium	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, Local Budget	Short Term	XXX	SIP
Enhance or develop a tree maintenance and clearing program, or coordinate with utility companies to schedule tree maintenance	Existing	Severe Storm, Severe Winter Storm, Utility Failure	2, 4	Town/Village Public Works/ Highway, Engineer, Local Utilities/ Developers	Medium	Low	Operating Budget	Short Term	XXX	NRP



Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Est. Benefits	Est. Cost	Sources of Funding	Timeline	Priority	Mitigation Category
Implement a stream maintenance program for the [WATERWAY].	N/A	Flood, Severe Storm	1, 4	Town/ Village Public Works	Medium	Medium	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, Operating Budget	Short Term	XXX	NRP
Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect those properties.	Existing	All	3	Town/Village Board	High	Low	Operating Budget	Short Term	XXX	EAP
Provide or attend additional training and/or certification for staff with respect to natural hazard risk management in Benefit/Cost Analysis (BCA), Recovery Planning, Damage Estimates, and Debris Management.	N/A	All	2, 3	Town/Village Board	Medium	Low	Operating Budget	Short Term	XXX	EAP
Send local Floodplain Administrator to County and State trainings and complete certification programs related to floodplain management.	N/A	Flood, Severe Storm, Severe Winter Storm, Dam Failure, Levee Failure	2, 3	Town/Village Floodplain Administrator	Medium	Low	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES	Short Term	XXX	EAP



Please complete the following two tables per **NEW action/project** with as much detail as possible, using the guidance beginning on page 3.

Name of Jurisdiction: _____

Name and Title Completing Worksheet: _____

Action Number: _____

Mitigation Action Name: _____

Assessing the Risk	
Hazard(s) addressed:	
Specific problem being mitigated:	
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	
Action/Project Intended for Implementation	
Description of Selected Action/Project	
Mitigation Action Type	
Goals Met	
Applies to existing and or new development, or not applicable	
Benefits (losses avoided)	
Estimated Cost	
Priority*	
Plan for Implementation	
Responsible Organization	
Local Planning Mechanism	
Potential Funding Sources	
Timeline for Completion	
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: _____

Mitigation Action Name: _____

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety		
Property Protection		
Cost-Effectiveness		
Technical		
Political		
Legal		
Fiscal		
Environmental		
Social		
Administrative		
Multi-Hazard		
Timeline		
Agency Champion		
Other Community Objectives		
Total		
Priority (High, Med, or Low)		

Guidance to Complete the Mitigation Action Worksheet

The following provides additional guidance on how to complete the Mitigation Action Worksheet. If you have any questions, please contact: *Tony Subbio* (tony.subbio@tetratech.com or 717-545-3580) at Tetra Tech.

Assessing the Risk

Hazard(s) addressed: Please enter the hazard of concern you are mitigating. For this plan, the hazards of concern identified for the County are:

- Dam Failure
- Drought
- Earthquake
- Flooding
- Hazardous Materials Incidents
- Landslide
- Levee Failure
- Pandemic Disease
- Severe Storms (windstorms, thunderstorms, hail, lightning, and tornados)
- Severe Winter Storms (heavy snow, blizzards, ice storms)
- Terrorism
- Utility Failure (power, sewer, water, communications)
- Wildfire

Specific problem being mitigated: Please describe the specific problem being mitigated.

Evaluation of Potential Actions/Projects

Actions/Projects Considered: Please consider different options to mitigate the problem identified. One alternative is always to accept the current level or risk (tolerate the vulnerability/problem) by deciding to take no action at this time.

Please include the name of the action considered and a brief reason as to why the action was not selected. The reasoning documents the consideration of these alternatives.

Action/Project Intended for Implementation

Description of the Selected Project: Please provide a brief description of the selected project.

Mitigation Action Type:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.



- **Education and Awareness Programs (EAP)** – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

Goals: Please insert the goals that would be met if the action/project is implemented.

Goal 1 – Prevent hazards from impacting life, property, and the environment.

Goal 2 – Protect life, property, the environment, and the economy from hazard impacts.

Goal 3 – Enhance disaster/emergency preparedness within the community

Goal 4 – Protect, preserve, and restore the functions of natural systems.

Benefits: Please describe the losses avoided when the project is implemented. This includes physical property damage; loss of function; road closing/detours; etc.

Estimated Cost:

Please provide the estimated cost or use the following ranges:

Low = < \$10,000

Medium = \$10,000 to \$100,000

High = > \$100,000

Priority: Please enter Tier I, II, or III. Refer to the prioritization exercise and table.

Plan for Implementation

Potential Funding Source: Please identify the anticipated funding source, which could be “Grant funding with local cost share”. Sources may include federal, state and local sources.

Timeline for Completion: Short = 1 to 5 years. Long Term= 5 years or greater. OG = On-going program.

Reporting on Progress

For the current planning effort, this section does not need to be filled out. Each jurisdiction will have to update this section for each of their actions on an annual basis, prior to the annual Planning Partnership update outlined in Section 7 (Plan Maintenance) of the HMP.

Please provide a status update on the selected action/project. Along with this description, please indicate if the action/project is completed or not completed.

Actions which are not complete may be dropped with a rationale provided (e.g., project deemed unfeasible...). Other incomplete actions should clearly be indicated as continuing; indicate percent complete, and identify any hurdles/obstacles/reasons for change in schedule. Even actions that have had no progress to date can be identified as continuing. For any action that is not yet complete and will continue, always consider modifying the action to promote implementation.



Guidance to Complete the Prioritization Table

Complete this table to help evaluate and prioritize each mitigation action being considered by your municipality. Please use these 14 criteria below to assist in evaluating and prioritizing new mitigation actions identified. Specifically, for each new mitigation action, assign a numeric rank (-1, 0, or 1) for each of the 14 evaluation criteria in the provided table, defined as follows:

- 1 = Highly effective or feasible
- 0 = Neutral
- -1 = Ineffective or not feasible

Use the numerical results of this exercise to help prioritize your actions as “Tier I”, “Tier II” or “Tier III” priority. Your municipality may recognize other factors or considerations that affect your overall prioritization; these should be identified in narrative in the Priority field of the worksheet.

1. Life Safety – How effective will the action be at protecting lives and preventing injuries?
2. Property Protection – How significant will the action be at eliminating or reducing damage to structures and infrastructure?
3. Cost-Effectiveness – Are the costs to implement the project or initiative commensurate with the benefits achieved?
4. Technical – Is the mitigation action technically feasible? Is it a long-term solution? Eliminate actions that, from a technical standpoint, will not meet the goals.
5. Political – Is there overall public support for the mitigation action? Is there the political will to support it?
6. Legal – Does the jurisdiction have the authority to implement the action?
7. Fiscal - Can the project be funded under existing program budgets (i.e., is this initiative currently budgeted for)? Or would it require a new budget authorization or funding from another source such as grants?
8. Environmental – What are the potential environmental impacts of the action? Will it comply with environmental regulations?
9. Social – Will the proposed action adversely affect one segment of the population? Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people?
10. Administrative – Does the jurisdiction have the personnel and administrative capabilities to implement the action and maintain it or will outside help be necessary?
11. Multi-hazard – Does the action reduce the risk to multiple hazards?
12. Timeline - Can the action be completed in less than 5 years (within our planning horizon)?
13. Local Champion – Is there a strong advocate for the action or project among the jurisdiction’s staff, governing body, or committees that will support the action’s implementation?
14. Other Local Objectives – Does the action advance other local objectives, such as capital improvements, economic development, environmental quality, or open space preservation? Does it support the policies of other plans and programs?



Name of Jurisdiction: Town of London, Bristol County NY

Name and Title Completing Worksheet: Jim Frank, Director of DPW

Action Number: TL-1

Mitigation Action Name: River Road Home Elevations

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	The Freeflow River is subject to ice jams near River Road. On multiple occasions homes in this area have been flooded. Homeowners have incurred high rebuilding costs, over and above insurance claims. Traffic along this thoroughfare is disrupted during flood events.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<p><u>Freeflow River Rock Removal</u> – Remove the large rocks from the river that catch ice flows. This alternative is not being pursued because the financial costs would be very high and the effectiveness of this is in doubt. It would also jeopardize the viability of the river as a fishing destination.</p> <p><u>Acquire Homes</u> – Offer to purchase the affected homes. Upon taking ownership, remove the homes and return the land to its natural state. This alternative is not being pursued because homeowners do not want to leave the community. Removal of these homes would also diminish the town’s tax base.</p> <p><u>Elevate Homes</u> - Offer to partially fund the elevation of homes that have been flooded multiple times over the past thirty-years. When homeowners accept this offer, homes will be elevated above base flood evaluation and according to NYS building code.</p>
Action/Project Intended for Implementation	
Description of Selected Action/Project	<u>Elevate Homes</u> - Offer to partially fund the elevation of homes that have been flooded multiple times over the past thirty years. When homeowners accept this offer, homes will be elevated above base flood elevation and according to NYS building code.
Mitigation Action Type	SIP
Goals Met	2
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Partially funding home elevations makes this option affordable to homeowners and avoids a lessening of the town’s tax base. The mitigation action would avoid future flood damage of about \$750,000. The program would be voluntary, making it more socially and politically acceptable.
Estimated Cost	The cost of the elevation program is expected to be just under \$500,000.
Priority*	Tier I



Plan for Implementation	
Responsible Organization	Town Planning Department
Local Planning Mechanism	The administration of this activity will be added to Planning Department's annual work plan.
Potential Funding Sources	FEMA Hazard Mitigation Grant Program (HMGP) funds FEMA Pre-Disaster Mitigation Program (PDM) funds
Timeline for Completion	An application for a FEMA grant will be made in year 1, and the program should be completed within 3 years.
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: TL-1

Mitigation Action Name: River Road Home Elevations

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Removes residences from the floodplain, and residents from a high risk area.
Property Protection	1	Would avoid future flood damage to private property.
Cost-Effectiveness	1	The cost of the elevation program is expected to be just under \$500,000. The mitigation action would avoid future flood damage of about \$750,000.
Technical	1	The action is a technically feasible to meet the County goals.
Political	1	The program would be voluntary, making it more socially and politically acceptable.
Legal	1	The jurisdiction has authority to implement the elevation program.
Fiscal	-1	The program would require funding from grants such as HMGP and/or PDM.
Environmental	1	The program will return the floodplain to its natural state.
Social	0	Repetitively flooded homes are found in diverse neighborhoods throughout Town.
Administrative	1	Yes - the administration of this activity will be added to Planning Department's annual work plan.
Multi-Hazard	0	This action addresses the Flood hazard only.
Timeline	1	The administration of this activity will be added to Planning Department's annual work plan.
Agency Champion	1	The Town administrator is a strong advocate for the elevation program.
Other Community Objectives	0	
Total	9	
Priority (Tier I, II or III)	I - High	



ALLEGANY COUNTY HAZARD MITIGATION PLAN UPDATE PROJECT
Mitigation Solutions Workshop #1

SIGN-IN

Wednesday, August 31, 2016 | 6:00 – 8:00 p.m.

NAME	TITLE	AGENCY/ORGANIZATION	E-MAIL	TEL.
Denise Varkusch	Admin ASST	Allegany Co OES	Vanhoub@alleganyco.com	575-268-5290
Mike Bannay	Assist Dir	Allegany Co OES	bannaym@alleganyco.com	585-268-7658
Mark Bolwell	Supt Hist	Town Friendsch		585 973 7620
Jeff Luckey	Director O Em	Allegany	luckeyj@alleganyco.com	585-268-5290
Tony Subbio	PM	Tetra Tech	tony.subbio@tetratech.com	717-545-3580



Wednesday, August 31, 2016 | 6:00 – 8:00 p.m.

NAME	TITLE	AGENCY/ORGANIZATION	E-MAIL	TEL.
<i>Chris Hunsicker</i>	Res. Mgr Env. Ops	Norfolk Southern	<i>Christopher.Hunsicker@NS.com</i>	412-893-7242
<i>Brent Platt</i>	Town Supervisor	Town of West Almond	<i>bapewalmond@GMAIL</i>	585-466-7800
TYLER SHAW	Allegheny County Env. Health Director	Allegheny County DOH	<i>ShawT@allegheny.co.com</i>	585-268-9254
JEFF EILLENBERGER	HIGHWAY SUPERINTENDENT	T/O WEST ALMOND	WESTALMOND HIGHWAY@GMAIL.	607-590 6725
JAMES BLOWET	TOWN SUPERVISOR	FRIENDSHIP		585 808 0304

