

# Meeting Notes

## ATTENDEES

**VERNON MYERS**  
Town of Vestal

**LINCOLN ELLIS**  
Town of Vestal

**BETH LUCAS**  
Broome County  
Planning Division

**DAN FULLER**  
New York State  
Department of  
Environmental  
Conservation

**KEVIN DELANEY**  
New York State  
Department of  
Environmental  
Conservation

**ARVIND GOSWAMI**  
New York State  
Department of  
Environmental  
Conservation

**SHUDIPTO RAHMAN**  
FEMA

**SRIKANTH KOKA**  
STARR II

**SETH LAWLER**  
STARR II

**CURTIS SMITH**  
STARR II

**TOM SMITH**  
FEMA Outreach  
Consultant

## TOWN OF VESTAL LEVEE ANALYSIS AND MAPPING PROCEDURES MEETING 2

May 15, 2018

Location:  
605 Vestal Parkway West  
Vestal, NY 13850

Action Item	Owner
1. Draft the levee analysis and mapping plan. FEMA will then coordinate the LLPT 3 meeting to discuss the plan in greater detail with the community.	FEMA

## AGENDA

- Review Town of Vestal Levee Flood Hazard
  - Local Levee System
  - Review Results of New Data Analysis
- Discuss Next Steps in the Process

## NOTES

Following the general meeting on May 14, 2018, FEMA conducted a break out session with the Town of Vestal to provide more community-specific information and outline next steps in this process. FEMA reiterated that the goal of this project is to provide additional information intended for emergency preparedness and community planning.

## Technical Overview

- FEMA modeled the Structural-Based Inundation Procedure, which identifies the landside inundation area during hypothetical breach scenarios. The resulting inundation map is a composite of the 1-percent-annual-chance inundation areas for hypothetical breaches at an upstream, downstream, and midpoint along the levee systems.
- Due to the topography of the area, the inundation area associated with the Structural-Based Inundation Procedure is not significantly different from the Natural Valley inundation.

# Meeting Notes

PAIGE MANDY  
FEMA Outreach  
Consultant

- For the levees to be accredited, the levee crest needs to have at least three feet of additional freeboard above the base flood elevation.

## Crest Profiles

- FEMA went through the crest profiles for the community.
- The majority of the communities' levees do not meet the freeboard requirement.
- The caveat to the freeboard requirement is if the system is deemed to be sound from an engineering standpoint and you meet 2 feet of freeboard then it can pass to meet the accreditation requirement.

FEMA and the community discussed that their levees are inter-connected and that the flood risk should be looked at as a levee system. Coordination between communities is key to figuring out this process and obtain state and federal funding resources.

FEMA and the communities discussed next steps in the levee mapping and analysis process. The levee analysis and mapping plan will be delivered following this meeting. The document will summarize what we know about the levee systems, the initial analysis and the communications and engagement had with the communities throughout the process. FEMA anticipates the plan will take a month to put together and from there, the communities will be re-engaged to discuss the plan.

## BREAKOUT DISCUSSION

- **QUESTION:** Was the original flood wall built with three-feet of freeboard?
  - **ANSWER:** The U.S. Army Corps of Engineers (USACE) built these to the most recent flooding event at the time, which is below today's standards.
- **QUESTION:** The bridges won't meet the criteria either, right?
  - **ANSWER:** If the bridge wasn't designed and constructed as a levee, then no.
- **COMMENT:** A lot of the streams run into more of flash flood issues or a semi-fast rise of water because it's such a large watershed.
- **COMMENT:** Regardless of what we do in an event, the interstate will be underwater, and Pennsylvania will shut it down.

# Meeting Notes

- **QUESTION:** In terms of the 2006 and 2011 flood events, how far did the water come up onto the levee?
  - **ANSWER:** In 2006, the levee did not overtop. In 2011, there was a shallow sheet of water, but it did not erode the levee. The levee served its purpose in both of these events.
- **QUESTION:** Has the County discussed getting the impacted communities and their elected officials together to discuss next steps?
  - **ANSWER:** Broome County does not know what it will cost to go forward with accreditation. Broome is planning to organize something to discuss this after these meetings are over.
- **QUESTION:** Are there any levee boards?
  - **ANSWER:** USACE has discussed creating a levee board or district to include people who are protected by the levee and who would be taxed. It would be new for NY State, but it could be done.
- **QUESTION:** Are there detailed records from the USACE describing the plans for these levees when they were originally built?
  - **ANSWER:** Yes, FEMA received these plans.
- **QUESTION:** How many structures are impacted?
  - **ANSWER:** Approximately 1,110.

# Meeting Notes

Department of Homeland Security  
Federal Emergency Management Agency  
Region II – Mitigation Division



FEMA

## VESTAL LLPT 2 MEETING SIGN-IN SHEET

Meeting Date/Time: Tuesday, May 15, 2018  
3:00 PM – 4:00 PM

#	Name – PLEASE PRINT	Title	Organization/Town	E-Mail
1	VERNON MYERS	TOWN ENGINEER	TOWN OF VESTAL	vmyers@vestalny.com
2	Lincoln Ellis	Code Enforcement	Town of Vestal	lellis@vestalny.com
3	Srijantha Koka	Project Manager	Dew STARR II	skoka@Dewberry.com
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