

Meeting Notes

ATTENDEES

KENT RAPP

Village of Endicott

**CAMERON
WILLIAMS**

Village of Endicott

PAUL NELSON

Town of Union

DARIA GOLAZESKI

Town of Union

**SARA ZUBALSKY-
PEER**

Town of Union

BETH LUCAS

Broome County
Planning Division

STEPHANIE BREWER

Broome County
Planning Division

DAN FULLER

New York State
Department of
Environmental
Conservation

NADINE LITTLE

New York State
Department of
Environmental
Conservation

KEVIN DELANEY

New York State
Department of
Environmental
Conservation

TOWN OF UNION / VILLAGE OF ENDICOTT LEVEE ANALYSIS AND MAPPING PROCEDURES MEETING 2

May 15, 2018

Location:

3111 East Main Street
Endwell, NY 13760

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 both communities.	FEMA
2. Share information around 44 CFR 65.10 requirements and the notes/audio from the Village of Nichols accreditation call	FEMA
3. Find more information around the 2006 flood event's impact on the levee on Onondaga Street	NYSDEC

AGENDA

- Review Town of Union / Village of Endicott 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 Union and the Village of Endicott 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.

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BRAD WENSKOSKI

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

PAIGE MANDY

FEMA Outreach
Consultant

- 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.
- 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 both communities.
- The majority of the communities' levees do not meet the freeboard requirement.
- The caveat to this requirement is that if the system is deemed to be sound from an engineering perspective and meets 2 feet of freeboard, then it can pass to meet the accreditation requirement.

FEMA and the communities 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. 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:** How many structures would be affected?
 - **ANSWER:** Approximately 2,000 structures are impacted between the Town of Union and Village of Endicott.
- **QUESTION:** Is this data based on the 2011 flood?
 - **ANSWER:** Yep, it represents all of the significant flood events to date.
- **QUESTION:** Do the people in these floodplains have to purchase flood insurance?
 - **ANSWER:** No, this is just additional information for planning purposes. New mapping will be reanalyzed in a couple of years and

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once those maps are effective, that's when flood insurance mandates will be updated.

- **QUESTION:** What would freeboard deficient result in if we were to pursue that approach?
 - **ANSWER:** The impacted levee area would be classified as a Zone D.
- **QUESTION:** If the Town of Union wanted to move forward with one of the other procedures, could FEMA provide a list of what an engineer would have to do to give you the data to get to this point?
 - **ANSWER:** The federal guidance 44 CFR 65.10 would be used to develop this certification data. FEMA can provide this guidance, the fact sheet for 44 CFR 65.10 and notes from the Village of Nichols accreditation webinar, which explains their successful accreditation process.
- **QUESTION:** If the Town of Union were to increase the freeboard on our levee across from the Town of Vestal's levee, how does that impact Vestal's levee?
 - **ANSWER:** It will not impact their floodplain as they are located on opposite sides of the river.
- **QUESTION:** Is there a comparison in cost of what it would cost to raise the levee vs. the amount paid in flood insurance?
 - **ANSWER:** This is the next step. The U.S. Army Corps of Engineers (USACE) will be able to provide what it would cost to raise the levee and the community's responsibility in that cost. The local governments will need to look into the exact prices paid in flood insurance themselves.
- **QUESTION:** Wasn't there a structural problem with segment 26 in the 2006 flood?
 - **ANSWER:** FEMA is not aware of this, but would like to know this information.
 - The New York State Department of Environmental Conservation (NYSDEC) says there is a gap in the levee at the end of Onondaga Street and sand bags were needed to be brought in during the 2006 flood. NYSDEC to find more information around this.

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- **QUESTION:** Who determines if the levees are structurally sound?
 - **ANSWER:** An engineering firm would have to conduct the analysis.
- **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.
- **COMMENT:** Levees have pump stations. During the recent flood events, the power was shut down by NYSDEC.
- **COMMENT:** The community did note that improvements have been made including a stop-log closure.
- **COMMENT:** Inflatable flood wall has eroded on levee #1 and #2.
- **QUESTION:** Did you define what the difference in Base Flood Elevation (BFE) was between the two analysis?
 - **ANSWER:** No, but this information can be generated from the depth grids, which will be delivered with the levee draft plans.

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



FEMA

UNION/ENDICOTT LLPT 2 MEETING SIGN-IN SHEET

Meeting Date/Time: Tuesday, May 15, 2018
11:00 AM – 12:00 PM

#	Name – PLEASE PRINT	Title	Organization/Town	E-Mail
1	Kent Rapp	Engineering	Village of Endicott	engineer@endicottny.com
2	Cameron Williams	" "	" "	engineer2@endicottny.com
3	PAUL NELSON	PLANNING DIR.	TOWN OF UNION	pnelson@townofunion.com
4	Sara Zubalsky-Pier	Comm. Dev. Coord.	Town	SZubalsky@townofunion.com
5	Daria Golarzski	DCP/WRSC	Town of Union	dgolarzski@townofunion.com
6	Curtis Smith	RSC Lead	STAR II	curtis.smith@starc.com
7	DAN FULLER	Flood Protection Engineer	NYS DEC	daniel.fuller@dec.ny.gov
8	Stephanie Brewer	Planner	BC Planning	sbrewer@co.broome.ny.us
9	Beth Lucas	Senior Planner	BC Planning	blucas@co.broome.ny.us
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