

Meeting Notes

ATTENDEES

GARY MULVANEY
Mayor of Village of Moravia

GARY FICKEISEN
Village of Moravia

PATRICK DOYLE
Village of Moravia

SETH JENSEN
City of Auburn

BRUCE NATALE
Cayuga County

MICHAEL FANDRICH
U.S. Rep John Katko

DAN FULLER
NYS Department of Environmental Conservation

ARVIND GOSWAMI
NYS Department of Environmental Conservation

BRAD WENSKOSKI
NYS Department of Environmental Conservation

PAUL COCCA
U.S. Army Corps of Engineers

JASON DOKTOR
U.S. Army Corps of Engineers

ALAN SPRINGETT
FEMA

VILLAGE OF MORAVIA LEVEE ANALYSIS AND MAPPING PROCEDURES MEETING

September 18, 2017 1:00-3:00 PM (ET)

Location:

Village Hall
22 Central Street
Moravia, NY 13118

Action Item	Owner
1. FEMA to provide more information on grant funding and contact the Village of Nichols to obtain background information on their levee accreditation processes. FEMA will also introduce a contact to Moravia.	FEMA
2. Community members to begin uploading data and relevant information to the project file transfer (FTP) site and email Stephanie Nurre (Stephanie.nurre@stantec.com) upon completion.	Moravia
Project FTP Site - Login Information Browser link: https://projsftp.stantec.com FTP Client Hostname: projsftp.stantec.com Port: 22 (can be used within an FTP client to view and transfer files and folder; e.g., FileZilla) Login name: MORAVIA1433 Password: 4070234	
3. Community members to e-mail Paige Mandy at paige.mandy@ogilvy.com to indicate if they are NOT interested in becoming a member of the Lisle Local Levee Partnership Team (LLPT).	Moravia

AGENDA

- Provide an overview of levee systems
- Discuss levee flood hazard identification
- Identify the LLPT members

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SHUDIPTO RAHMAN
FEMA

CURTIS SMITH
STARR II

DAVID HAYSON
STARR II

STEPHANIE NURRE
STARR II

THOMAS SONG
FEMA Outreach
Consultant

PAIGE MANDY
FEMA Outreach
Consultant

OVERVIEW

The Federal Emergency Management Agency (FEMA) Region II levee team (FEMA levee team), the U.S. Army Corps of Engineers (USACE), and the New York State Department of Environmental Conservation (NYSDEC) engaged the Village of Moravia to identify flood hazards for non-accredited levees as they relate to the Dry Creek.

Detailed discussions covered potential analysis scenarios and the required technical data for each option. Also discussed was the participation of interested community, state, and federal officials and stakeholders in the Local Levee Partnership Team (LLPT). This group will share data and participate in discussions on the potential analysis and mapping options throughout the duration of the levee project. The LLPT will also be able to review the plan document summarizing the activities and outputs from the project. They will also weigh in on the path forward for identifying and mapping the flood risk associated with the levee.

Currently, the levee is shown on the August 2007 Flood Insurance Rate Map (FIRM) as reducing flood risk identification on the landside of the levee system. However, FEMA does not have data to show that the levee meets the minimum FEMA requirements [Title 44 Code of Federal Regulations (CFR)§65.10] to provide such protection.

FEMA reiterated that the levee analysis and mapping approach will give the community a better understanding of how much the levee reduces the flood risk under current conditions.

NOTES

Thomas Song opened the meeting and facilitated introductions of attendees. Shudipto Rahman then provided an overview of the FEMA focus on levee hazard identification and risk communication. Shudipto also provided an overview of the Dry Creek Right Bank Levee, along with Stephanie Nurre.

Stephanie then discussed the levee's non-accredited status. The levee system is considered non-accredited because FEMA does not have certified engineering data showing that the levee system meets the minimum requirements of Title 44, Chapter 1, Section 65.10 of the Code of Federal

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Regulations (44 CFR §65.10) to be recognized on the FIRM as reducing the flood hazards posed by a 1-percent-annual-chance or greater flood.

The FEMA levee team elaborated on FEMA's previous identification of levees as accredited or non-accredited. Now, with the analysis and mapping procedures for non-accredited levees, there is a suite of approaches that may be applied to assess the flood risk. A levee system can be evaluated as separate reaches, each analyzed based on its unique characteristics. However, for this small levee, the entire system will likely be evaluated as one reach/entity. Stephanie then reviewed each analysis procedure in detail along with the associated data requirements to map the flood risk on a future FIRM.

Stephanie clarified that, based on the available top of levee survey information from the USACE's National Levee Database (NLD), it appears that the levee crest is elevated above the Base Flood Elevation (BFE) except for a point at the downstream end. Additional information for the levee system would be valuable, such as record drawings, to better understand the levee system. While more information would be useful, it was also noted that there is currently sufficient information available to perform the Natural Valley analysis to inform what the flood hazard would look like in the levee impact area., as well as the Structural-Based Inundation (hypothetical breach) analysis.

The USACE noted that there is a separate non-project levee segment. The USACE levee system ends where the trees/wooded area begins. Additionally, USACE is completing screenings of these types of levee segments and recently conducted a survey of this area. The impact of the non-project levee segment on the levee identification and analysis will be part of future discussions.

The FEMA levee team, USACE, NYSDEC, and the community discussed the levee certification and accreditation process in accordance with minimum FEMA requirements (44 CFR§65.10). Currently, FEMA does not have data on this levee to support it being accredited and mapped on the FIRM as providing reduced flood hazard. FEMA noted that the Village of Nichols certified their levee through New York Rising grant funding and is currently going through the accreditation process. FEMA can work to put the community in touch with the Mayor of Nichols, should this be of interest.

While the community's FIRM was issued in 2007, requirements have changed since then. FEMA explained that this analysis will be utilized to help identify the path forward to map the flood hazard on the landside of the levee system in the future (no earlier than a few years). Additionally, FEMA discussed how this

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data will be given to the community and can be used in emergency preparedness and hazard mitigation planning.

Additionally, the community discussed local flooding and how it is getting worse in the community as well as around the country. FEMA explained that if a presidential declaration is issued, homeowners in the Special Hazard Area, who accept government help to pay for recovery will be forced to carry flood insurance going forward, which the community thought was important to share with residents. Additionally, the USACE explained that if the levee is damaged by a storm event and it's in good standing in the USACE's PL 84-99 Rehabilitation Program, the levee would be eligible for Federal assistance to make repairs.

FEMA and the community discussed next steps in the LLPT process, which are to begin collecting additional data through a file transfer site. Once the initial data analysis has been conducted, FEMA will then coordinate the LLPT 2 meeting to review the preliminary results with the community. FEMA offered to organize a touchpoint call with the community before this meeting to give them a preview of the results, possibly late November.

Regarding the timeline, FEMA anticipated an LLPT 2 meeting in the fall, but this is subject to change due to Hurricane Irma/Maria response and recovery.

DISCUSSION

- QUESTION: For non-project levee segments, who would be responsible for the data?
 - ANSWER: For this project, FEMA will try and uncover more information on this embankment.
- QUESTION: Will this study lead to accreditation?
 - ANSWER: No, accreditation needs to be pursued by the community.

Meeting Notes

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

MORAVIA (1 OF 2)



FEMA

#	Name – PLEASE PRINT	Title	Organization/Town	E-Mail
13	GARY MULLENBACH	mayor	Village Moravia	villagetofmoravia@SCCC.INTERNET.COM
14	GARY FICHTER	Trustee	"	Gary@ChronicleGuidance.COM
15	PAUL COCCA	H&H Engineering Team Leader	USACE	paul.a.cocca@usace.army.mil
16	JASON DOKTOR	Civil Engineer	USACE	Jason.P.Doktor@usace.army.mil
17	Alan Springett	Sr. Engineer	FEMA	Alan.Springett@fema.dhs.gov
18	Curtis Smith	RSC	STARR II	
19	Bruce Natale	Flood HAZMITER	Cayuga County	bnatale@cayugacounty.us
20	PATRICK DOYLE	CODE ENFORCEMENT OFFICER	VILLAGE OF MORAVIA	jpdoyleiii@hotmail.com
21	SHU RAHMAN	CIVIL ENGINEER PROJECT MGR	FEMA	shudipto.rahman@FEMA.dhs.gov
22	STEPHANIE NURRE	STARR II	STARR II	stephanie.nurre@stantec.com
23	THOMAS SONG	CERC		
24	BRAD W.		NYSDEC	
25	Arvind Goswami		NYSDEC	
26	Paige Mandy		NYSDEC	
27	David Hayson	PROJECT ENGINEER	STARR II	



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

MORAVIA (2022)



FEMA

#	Name – PLEASE PRINT	Title	Organization/Town	E-Mail
28	DAN FULLER	Flood Protection Engineer	NYS DEC - Region 7	daniel.fuller@dec.ny.gov
29	Seth Jensen	Director of Municipal Utilities	C/o Auburn	sjensen@auburnny.gov
30	MICHAEL FANDREON	DEP. DISTRICT DIRECTOR	U.S. REP. JOHN KATKO	MICHAEL.FANDREON@MISL.HOUSE.GOV
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