

Village of Ridgefield Park

Supplemental CSO Team

Meeting Number 4

Commissioner's Conference Room

Village of Ridgefield Park Municipal Building

March 12, 2018, 9 am

Group Meeting Minutes

1) Introduction

- a) Meeting began at 9 am with introductions of all attendees
- b) John Rolak reviewed topics discussed at meeting number 3 and opened for questions.
 - i) Mark Olson asked for clarification about how CSO issues such as issues relating to changing ordinances will be presented to the planning board. John Rolak suggested that this be done through members of the Supplemental CSO team. Mark will work with John to set up an informal meeting with the chairman of the planning board see how we should proceed.

2) Presentation by John Rolak (see power points)

- a) Consideration of Sensitive Areas
- b) Update on Typical Year Analysis
- c) Update on Ridgefield Park Computer Model
- d) Update on Sewer System Characterization Report

3) Discussion and Questions

- a) Stephen Quinn asked if there are tide gates that block the discharges from the Sensitive areas. There are tide gates on the Overpeck Creek that are located upstream of the outfalls.
- b) There are Bald Eagles nesting in Ridgefield Park. Will that be a factor in determining Sensitive Area? Currently, the DEP has determined that the discharges do not have an effect on any endangered wildlife in the area. Nancy Kempel clarified that it would only be a concern if the discharge had an effect on the food supply of any endangered species.
- c) How far from a sensitive area can an outfall be located? Should contact be restricted after a discharge? The DEP has not detailed rules on this.
- d) Questions arose about the DEP web page about shellfish beds in the area. Nancy Kempel indicated that the website is being improved and she will look into this.
- e) A discussion of the Typical Year centered around whether New Jersey should use 2008 to be consistent with New York or if New Jersey should proceed with using 2004 as indicated by studies done by PVSC. John Rolak presented the reasoning for staying with 2004 as the Typical Year indicating that rainfall, streamflow and

rainfall distribution are more "typical" in 2004 than 2008 in New Jersey. Due to time constraints Ridgefield Park will proceed with using 2004 for current modeling requirements.

Nancy Kempel indicated that the DEP may require the NJ CSO Group to run the models on various years in order to capture the impact of all discharges from both states on the receiving waters.

John Rolak noted that PVSC and NYC have shared their models so that each can see the other's impact on the Hudson River.

- f) Nancy Kempel indicated that the DEP would like to see a draft of the Sewer System Characterization Report. John Rolak will bring that request to the council for approval.
- g) Mark Olson asked if the community garden would be considered a sensitive area. After discussion, it was concluded that the discharges do not have a direct effect on the garden. If, in an extreme circumstance, the garden was affected, Mark Olson indicated they would instruct the members not to harvest the crops for a while.
- h) Stephen Quinn asked about whether or not they should be encouraging use of the waterways. John Rolak reminded the group about the website CSO discharge alert system. He also noted that in the future we might put sensors on the discharges and maybe even a warning light to alert the public. He discussed the signage requirements in the permit. Jennifer Feltis showed a template created by New Jersey Water Works. It is available on their website under Educational Signs for combined outfalls. Stephen will look into improving signage.
- i) Mark Olson asked how long it takes for the receiving waters to return to background conditions after a CSO discharge. John Rolak referred to past monitoring studies that indicated the impacts to tidal receiving waters disappear in three days.
- j) Stephen Quinn mentioned that there is a 22-acre parcel in the Northeastern region of Ridgefield Park, which is currently being used as a nature preserve. It is in the separated portion of the village. He indicated there was evidence of a sewer overflow in the past, John Rolak will bring the issue to Alan O'Grady. (John did discuss this situation with Alan who indicated he was only aware of one incident in the area years ago where a plastic inflow cover dislodged from the frame, fell into the sewer, and acting as a plug caused an overflow from the manhole. He will however have a crew walk the easement to see if there is any evidence of additional problems.)

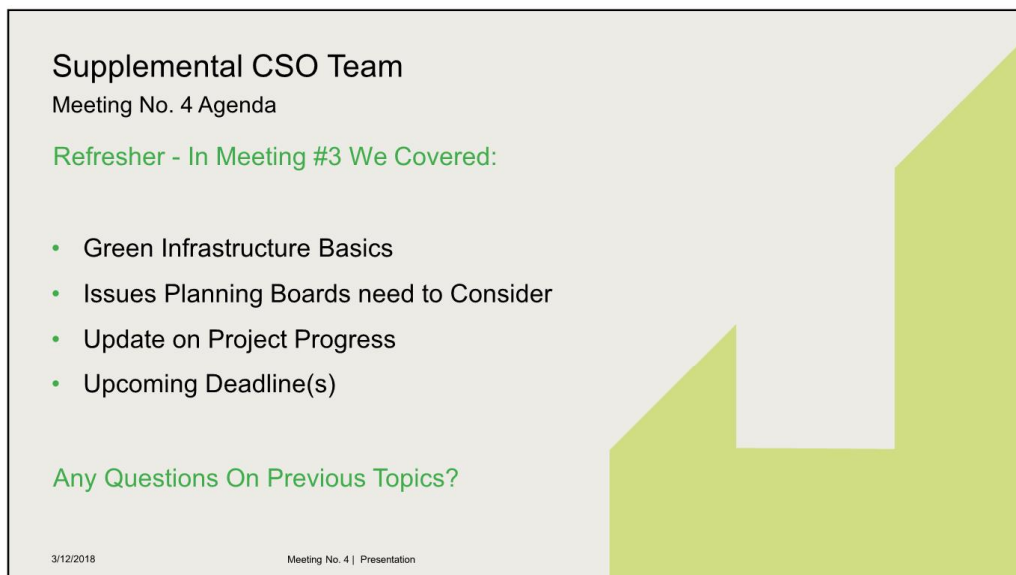
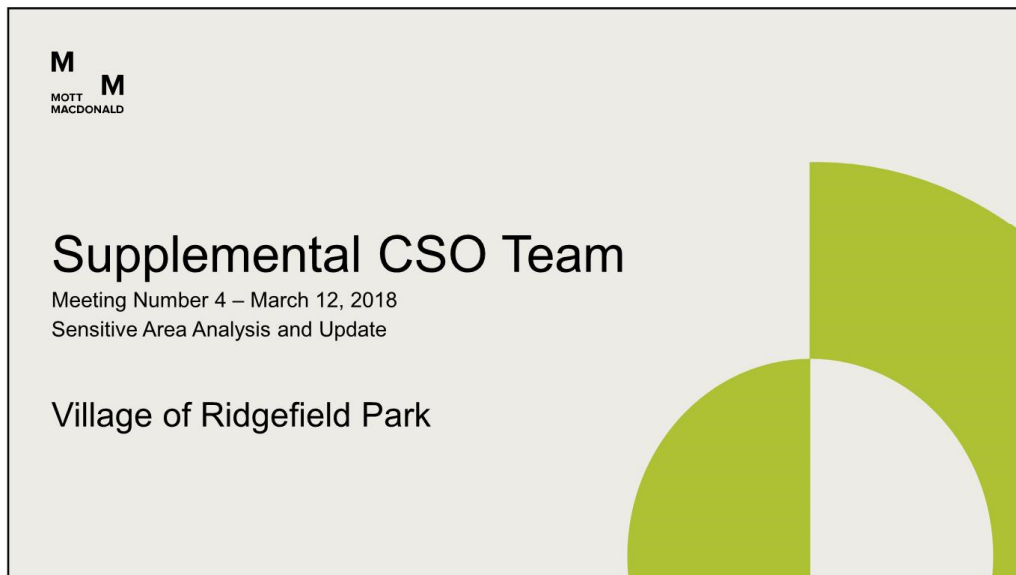
Meeting concluded at 10:25 am

Minutes submitted by Donna Gregory

**Village of Ridgefield Park Supplemental CSO Team
Meeting Number 4
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6/20/2018



6/20/2018

Supplemental CSO Team

Meeting No. 4 Agenda

Topics to Discuss Today:

- Consideration of Sensitive Areas
- Update on Typical Year Analysis
- Update on Ridgefield Park Computer Model
- Update on Sewer System Characterization Report

3/12/2018

Meeting No. 4 | Presentation

Consideration of Sensitive Areas

Description

Required in Individual NJPDES Permits for Permittees with CSO Outfalls:

Village of Ridgefield Park – NJPDES Permit No. NJ 0109118

Individual Permits can be found on NJDEP Website:

<http://www.nj.gov/dep/dwq/cso.htm>

3/12/2018

Meeting No. 4 | Presentation

4

6/20/2018

Consideration of Sensitive Areas

Description

Requirement:

- Evaluate the Existence and Location of Sensitive Areas in Relation to CSO Discharges (Source: NJ-GeoWeb)
<http://www.nj.gov/dep/gis/geoweb splash.htm>
- The Long Term Control Plan (LTCP) shall:
 - ✓ Prohibit new or significantly increase CSOs in Sensitive Areas
 - ✓ Eliminate or relocate CSOs that discharge to sensitive areas, where possible and economically achievable.
 - ✓ Where overflows cannot be moved or eliminate – provide the level of treatment necessary to meet Water Quality Standards

3/12/2018

Meeting No. 4 | Presentation

5

Consideration of Sensitive Areas

Description

What are Sensitive Areas?

- Designated Outstanding National Resource Waters;
- National Marine Sanctuaries;
- Waters with Threatened or Endangered Species and their Habitat;
- Waters Used for Primary Contact Recreation;
- Public Drinking Water Intakes; and
- Shellfish Beds

3/12/2018

Meeting No. 4 | Presentation

6

6/20/2018

Sensitive Areas For Village of Ridgefield Park

3/12/2018

Meeting No. 4 | Presentation

7

Consideration of Sensitive Areas

Outstanding National Resource Waters

What are Outstanding National Resource Waters (ONRW)?

- Designation of ONRW are made by individual states.
- Waters are to be set aside for posterity because of their unique significance.
- The NJDEP cannot approve any activity which might alter existing water quality in these waters.
- Include NJ surface waters designated as FW1 and PL.
- Includes approximately 67 river sections in New Jersey

3/12/2018

Meeting No. 4 | Presentation

8

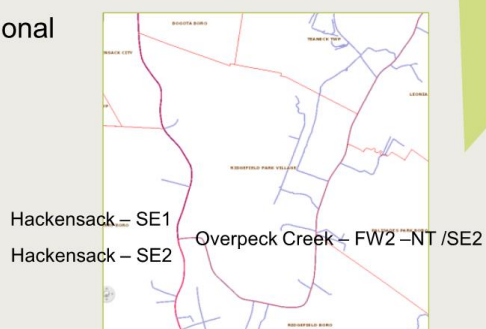
6/20/2018

Consideration of Sensitive Areas

Outstanding National Resource Waters

Water Quality of Waters Surrounding Ridgefield Park

There are no Outstanding National Resource Waters in or around Ridgefield Park.



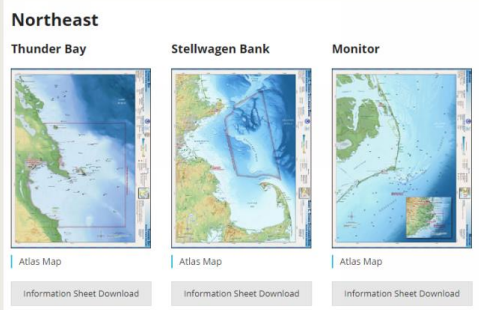
3/12/2018

Meeting No. 4 | Presentation

Consideration of Sensitive Areas

National Marine Sanctuaries

The National Marine Sanctuaries Act (NMSA) was enacted in 1972 in order to protect significant marine habitats and special ocean areas



There are no National Marine Sanctuaries in the Region.
The closest location is Stellwagen Bank, off the coast of Massachusetts.

3/12/2018

Meeting No. 4 | Presentation

6/20/2018

Consideration of Sensitive Areas

Waters with Threatened or Endangered Species and Their Habitat



Waters Surrounding Ridgefield Park are ranked:
Rank 4 – Bald Eagle
Rank 3 – Yellow-Crowned Night Heron
Rank 2 – Brown Thrasher, Glossy Ibis, Snowy Egret, and Blue Heron

According to NJDEP these species are not critically dependent on the water for survival.

3/12/2018

Meeting No. 4 | Presentation

Consideration of Sensitive Areas

Primary Contact Recreation Waters

Primary Contact Recreation Waters includes, but may not be limited to those waters where the public under the following activities:

- Wading in Water
- Swimming
- Water Skiing
- Diving
- Tubing
- Surfing
- Kayaking
- Rafting

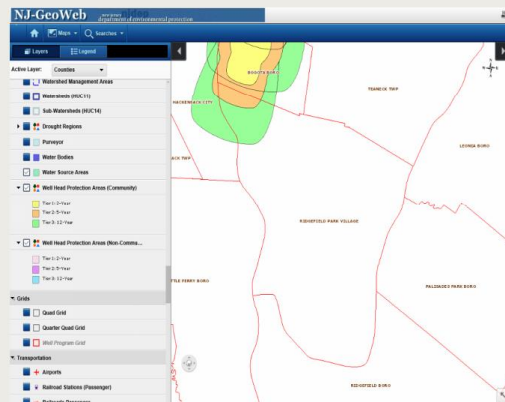
3/12/2018

Meeting No. 4 | Presentation

6/20/2018

Consideration of Sensitive Areas

Public Drinking Water Intakes or Their Designed Protection Areas



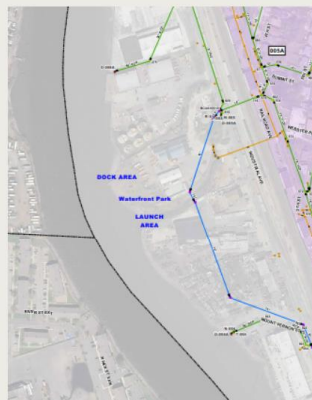
There are no Public Water Drinking Inlets in an around Ridgefield Park, however there is a public well in Bogota Boro, who's wellhead protection area extends into Ridgefield Park.

3/12/2018

Meeting No. 4 | Presentation

Consideration of Sensitive Areas

Primary Contact Recreation Waters



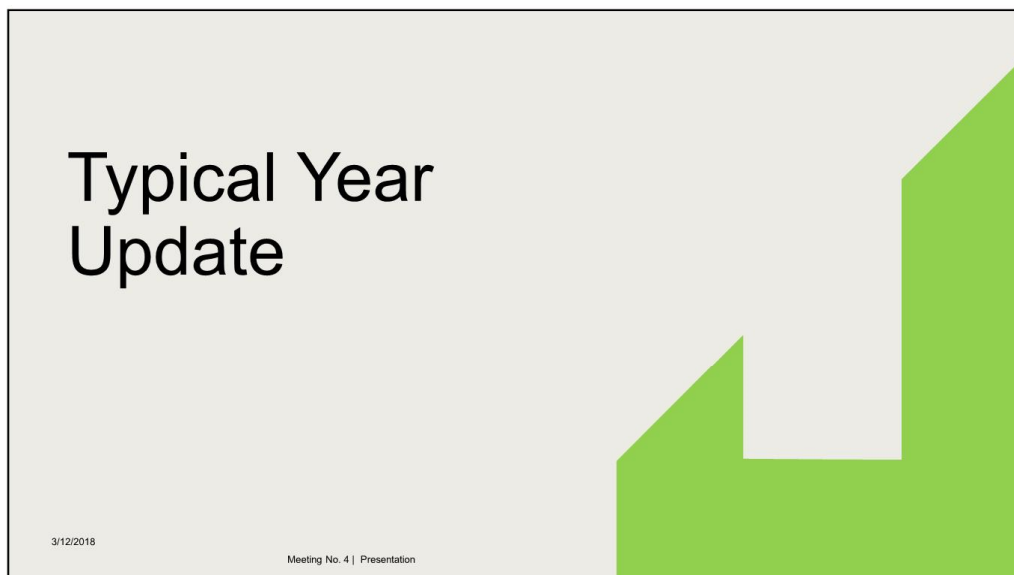
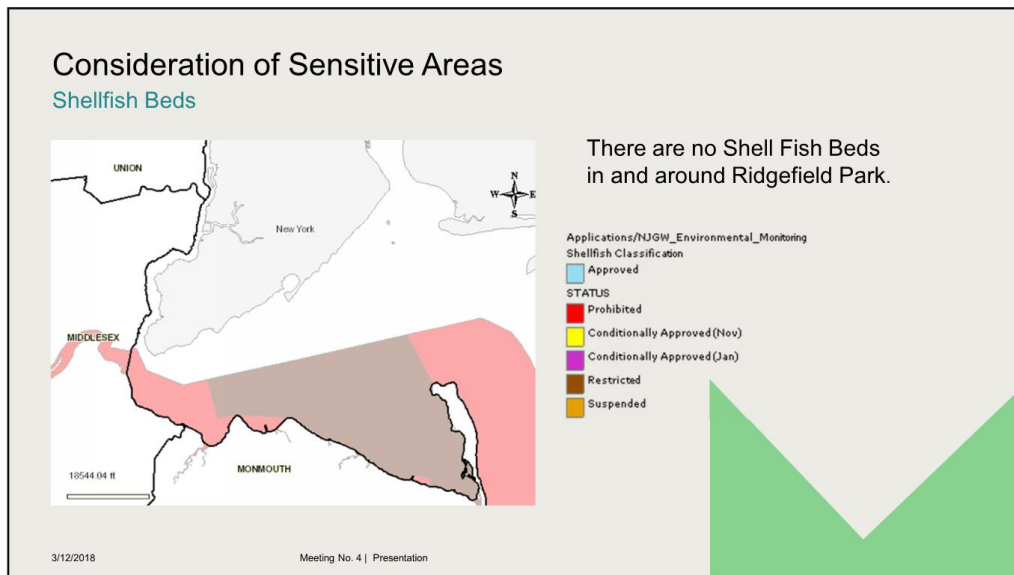
Waterfront Park is Used by the Wanda Canoe Club to launch Canoes and Kayaks

There are no other know Primary Contact Areas in and around Ridgefield Park.

3/12/2018

Meeting No. 4 | Presentation

6/20/2018



6/20/2018

Typical Hydraulic Year Analysis and Report Update

Table 2-3: Top 5 Ranked Years

Rank	Year	Score	Demonstration Approach				Presumption		Operational			
			Annual Rainfall (in)	Rainfall (in) May 15 - Sep 15	River Avg. Flow (cfs) May 15 - Sep 15	Ratio Rainfall / River, May 15 - Sep 15	5th Largest Storm (in)	Rainfall Volume for 85% Captured (in)	# of Events >0.2" Rainfall Depth	# of back-to-back events	Maximum Peak Intensity of 5th Largest & Smaller	# of Storms with Return Freq > 1-yr
1	2004	0.100	48.4	19.9	850	42.8	1.63	1.21	54	5	0.99	3
	2008	0.130	48.8	18.5	504	27.3	1.84	1.37	49	6	0.77	3
3	2009	0.161	47.9	19.8	1,140	57.5	1.87	1.16	54	6	0.80	1
4	1996	0.165	58.1	18.6	770	41.4	2.00	1.32	63	7	1.09	3
5	2014	0.186	49.3	14.8	686	46.3	1.56	1.26	60	8	1.26	2
Average 1970-2015			46.3	16.7	779	43.7	1.72	1.38	51	5.6	0.90	2

NJCSO Group picked 2004

NJDEP wants us to use 2008

We are still working with NJDEP on the issue, but the group has decided to stay with 2004!

3/12/2018

Meeting No. 4 | Presentation

17

Ridgefield Park Project Schedule Update

3/12/2018

Meeting No. 4 | Presentation

6/20/2018

Ridgefield Park Project Status Report

Reports with Deadline of July 1, 2018:

Submit Sewer System Characterization Report

- Complete Model Dry Weather Calibration ([completed](#))
- Complete Model Wet Weather Calibration ([completed](#))
- Submission of Model Data for Baseline Compliance Report (NJ CSO Group) ([completed](#))
- Draft Report Being Prepared ([underway](#))
- Final Report Review ([Mid-May 2018](#))

3/12/2018

Meeting No. 4 | Presentation

Regional Project Status Report – BCUA CSO Group

Reports with Deadline of July 1, 2018:

Submit Regional System Characterization Report

- Develop Template for Report (BCUA) ([completed](#))
- Coordinate Model Integration (BCUA) ([partially completed](#))
- Complete Model Dry Weather Calibration ([completed](#))
- Complete Model Wet Weather Calibration ([underway](#))
- Draft Report Being Prepared ([underway](#))
- Final Report Review ([Mid-May 2018](#))

3/12/2018

Meeting No. 4 | Presentation

6/20/2018

BCUA CSO Group Project Status Report

Reports with Deadline of July 1, 2018:

- Submit Public Participation Report
Ridgefield Park CSO Supplemental Team Report
(being drafted)
- Submit Compliance Monitoring Program Report* * New Jersey CSO Group Joint Effort
(draft under review)
- Submit Consideration of Sensitive Areas Plan
(To be included in Sewer System Characterization Report)

3/12/2018 Meeting No. 4 | Presentation

Questions?

3/12/2018 Meeting No. 4 | Presentation 22

6/20/2018

