

**NORTHWEST MUNICIPAL CONFERENCE**

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www.nwmc-cog.org



A Regional Association of Illinois  
Municipalities and Townships  
Representing a Population of Over One Million

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**Poplar Creek and Upper Salt Creek Watershed Planning Councils**

**AGENDA**

**Wednesday, July 15, 2020**

**10:30 a.m.**

**Microsoft Teams Live Event**

**Please join the meeting from your computer, tablet, or smartphone.**

**<https://mwrdr.org/poplar-creek-and-upper-salt-creek-watershed-planning-council-meeting-2>**

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- I. Call to Order**
- II. Roll Call**
- III. January 15, 2020 Meeting Transcript (Attachment A)**
- IV. Poplar Creek/Upper Salt Creek Watershed Capital Improvement Projects Update**  
Moriah Gelder will provide an update on the capital improvement projects in the watersheds.  
*Action Requested: Informational*
- V. Small Stream Maintenance Program Update**  
Rob Podgorny will provide status report on the MWRD's Small Stream Maintenance Program.  
*Action Requested: Informational*
- VI. Watershed Management Ordinance Update**  
Ann Gray will provide an update on the Watershed Management Ordinance.  
*Action Requested: Informational*
- VII. Other Business**
- VIII. Next Meeting**  
The next meeting of the Poplar Creek and Upper Salt Creek Watershed Planning Councils will be held on Wednesday, October 14, 2020 at 10:30 a.m., location TBD.  
*Action Requested: Informational*
- IX. Adjournment**

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POPLAR CREEK AND UPPER SALT CREEK  
WATERSHED PLANNING COUNCILS

\* \* \* \* \*

Held on Wednesday, January 15, 2020,  
commencing at the hour of 10:30 o'clock, a.m., at the  
Prairie Center for the Arts, 201 Schaumburg Court,  
Schaumburg, Illinois.

PRESENT:

NORTHWEST MUNICIPAL CONFERENCE:

Kendra Johnson

METROPOLITAN WATER RECLAMATION DISTRICT

Moriah Gelder

Rob Podgorny

Nathaniel Wolf

Annie Wright

ALSO PRESENT:

Kim Nowicki - DEMRS

1 MS. JOHNSON: I'm going to go ahead and call  
2 the meeting to order. Good morning, welcome to the  
3 Poplar Creek and Upper Salt Creek Watershed Planning  
4 Council.

5 My name is Kendra Johnson, I'm with  
6 the Northwest Municipal Conference. I think it's  
7 10:30 by now. And why don't we go ahead and do roll  
8 call. Just go around and same your name and what  
9 organization that you are with.

10 MR. PODGORNY: Rob Podgorny with MWRD.

11 MS. NOWICKI: Kim Nowicki with Cook County  
12 Emergency Management and Regional Security.

13 MR. TOMAS: I'm Pat Thomas with MWRD Public  
14 Affairs. We have a number of employees on hand, but  
15 if there is any questions, general questions, I'm  
16 happy to answer.

17 MS. FISHER: Rich Fisher, MWRD.

18 MS. WRIGHT: Annie Wright, MWRD.

19 MS. GELDER: Moriah Gelder, MWRD.

20 MR. WOLF: Nathaniel Wolf, MWRD.

21 MR. BURKE: Mike Burke with Christopher Burke  
22 Engineering. Also representing Deer Park.

23 MR. FOX: John Fox with MWRD and Commissioner  
24 Davis' office.

1 MR. RAPHAEL: Ron Raphael, Elk Grove Village.

2 MR. MANN: Matt Mann, Village of Streamwood.

3 MS. JOHNSON: In your agenda packets that  
4 were e-mailed out, there was the October 16th meeting  
5 transcript from last year. If you need a copy of  
6 that, feel free to e-mail me, or you can come up to  
7 me afterwards and grab my card.

8 And with that, I'm going to hand it  
9 off to Moriah.

10 MS. GELDER: Good morning, everyone. I'm  
11 Moriah Gelder, I'm a civil engineer in the stormwater  
12 management group at MWRD. I specifically work on the  
13 green infrastructure projects within our stormwater  
14 group. So I'll go through the presentation today.

15 Right up here we have our map of  
16 Cook County and the District boundaries. It provides  
17 the location of all of the capital improvement  
18 projects that we've done over the years. I know it's  
19 a little hard to see, and we actually do have quite a  
20 few new projects come over the last few months that  
21 we still need to have make it on to this map, but  
22 that should be up at the next meeting.

23 On this slide here we have a zoomed-  
24 in map of just the Poplar Creek and Upper Salt Creek

1 Watershed. And you can see here in the gray on the  
2 right-hand side are all of the past Phase 2 projects  
3 that you might have heard about. I'll go through  
4 those in a little more detail. And then on the left  
5 in the Poplar Creek Watershed actually are two of our  
6 new green infrastructure projects that were selected  
7 in last year's call for projects, which I'll talk  
8 about in a little bit, but one in Streamwood and the  
9 other in Bartlett.

10 So here I'll just run through those  
11 four Phase 2, the capital improvement projects. All  
12 of these four have been completed already, but just  
13 to give a quick summary, for those who might not  
14 know, and a refresher. We have the first project in  
15 Hoffman Estates was completed in May of 2015. It was  
16 an installation of approximately 1800 feet of storm  
17 sewer along Jones Road and Highland Boulevard and  
18 that was to address flooding in the homes in the  
19 area. And then the second one is the Palatine Hills  
20 Golf Course, which was completed in September of  
21 2016, and that project involved installing 1100 feet  
22 of RCP, concrete pipe, storm sewer, a retaining wall  
23 and backflow preventers. The third one is Elk Grove  
24 Village, which was completed in May of 2016, and that

1 project involved modifications to the Busse Woods dam  
2 to reduce impacts of flooding on numerous properties  
3 and roadways in the area. And lastly, we have a  
4 project with the Illinois Department of  
5 Transportation in Rolling Meadows, which was  
6 completed in November of 2016, and that project  
7 involved some storm sewer repair along Illinois Route  
8 62 and provided a 2 acre detention basin around  
9 Illinois Route 53 for flooding prevention.

10 And so I wanted to highlight that we  
11 have our what used to be called Phase 2 is now called  
12 the Local Stormwater Partnership Opportunity Program.  
13 And right now there is a call for projects currently  
14 open. Applications are due in just about a month, on  
15 February 14th. And so this partnership opportunity  
16 you can enter into with MWRD, and the projects are to  
17 address flooding. Examples of such projects could be  
18 installing localized storage, upsizing critical storm  
19 sewers or culverts, installing or maintaining pump  
20 stations or establishing drainage ways.

21 So if you apply and are selected,  
22 you do enter into an intergovernmental agreement, an  
23 IGA, with the District. As I mentioned, we're  
24 currently accepting applications right now, and they

1 are due February 14th. Up here you could see that  
2 you can apply online with that website up here. You  
3 can easily find it if you go to our homepage at  
4 mwrdd.org. There's an online application or you can  
5 also -- There is a pdf that you can download and  
6 e-mail that in or you could even mail in a hard copy  
7 too.

8 So for additional questions on that  
9 you can contact Richard Fisher, at fisherr@mwrdd.org.

10 Next up we wanted to highlight, as I  
11 mentioned that we just finished up our call for  
12 projects in 2019. So we have our new 20 green  
13 infrastructure projects that will be ongoing in 2020.  
14 You can see how they are distributed around the  
15 District up on the map here. So we selected 20, and  
16 most of them will be started and most will also be  
17 completed in 2020. The estimated total of  
18 construction cost of all of those were -- is 9.7  
19 million dollars, and we're estimating that they'll  
20 benefit about 1200 structures, and structures I mean  
21 by homes and other buildings that are adjacent to  
22 those projects that will be benefitted by flooding  
23 prevention. And then also all of these -- the 20  
24 projects add up to 1.4 million of gallons of design

1 retention capacity.

2           So the two that I showed earlier  
3 that are actually in these watersheds are the first  
4 one is in Bartlett, which is shown up here, the Devon  
5 West Bartlett bioswale and bike path replacement  
6 project. So this project is going to involve  
7 construction of a bioswale with native plantings  
8 along the proposed bike path that's along west  
9 Railroad Avenue here near the Village Church in  
10 Bartlett. Currently, the project is in a final  
11 design stage. So we anticipate construction  
12 beginning this spring. And the project manager is  
13 Jim Yurik, who can be contacted at  
14 james.yurik@mwr.org.

15           The second project in this watershed  
16 here is for the Poplar Creek Public Library District.  
17 It's in Streamwood, Illinois. And this project will  
18 involve removing the existing concrete walkway at the  
19 entrance to the library and also this trench drain on  
20 here shown here, and replacing it with a permeable  
21 paving system with gravel underneath for additional  
22 stormwater storage. And the construction cost here  
23 is anticipated to be about 40,000, and the District's  
24 going to be contributing a little more than half of



1 that. And right now we're still in the early phases  
2 of design, so we hope to complete design this year;  
3 and hopefully, get started in construction. And the  
4 project manager again is James Yurik.

5 So another initiative related to  
6 green infrastructure that we're working on is the  
7 Green Guides, and we're working on two of those right  
8 now. One is for the Green Neighbor Guide and the  
9 other is the Guide for Professionals. So the Green  
10 Neighbor Guide is complete, and we have a little one  
11 pager over there. You're welcome to take home for  
12 you to additional information, and the entire guide  
13 is available for downloading on our website.

14 So the guide, itself, involves  
15 step-by-step instructions on how to manage stormwater  
16 on residential properties. So it covers instructions  
17 and tips and tricks for installing rain barrels, rain  
18 gardens, permeable pavement, as well as dry wells on  
19 your own property.

20 The other guide is currently still  
21 being in development and it's written for engineering  
22 professionals and also municipal officials that will  
23 serve as a supplement to our Technical Guidance  
24 Manual on volume control and other green

1 infrastructure practices. That should be available  
2 later this year.

3 So next up I wanted to talk about  
4 the Flood-Prone Property Acquisition Program. And  
5 that really has three parts to it. So the first one  
6 is what we see most often it's the local sponsorship  
7 assistance program, and so we, the District, are  
8 available to help facilitate the FEMA's program and  
9 assist local sponsor opportunities. So we can help  
10 with that cost share if you are able to get FEMA  
11 assistance. The second is something that the  
12 District initiates on our own in certain  
13 circumstances. So that would be property acquisition  
14 and support or in lieu of any of our capital projects  
15 that we're planning, and the third is local  
16 government application program to assist local  
17 governments in acquiring properties in flood-prone  
18 areas.

19 So like the other programs we've  
20 talked about today, any selected partners execute an  
21 IGA with MWRD. And also like the stormwater  
22 partnership program, we are currently accepting  
23 applications, which are due on February 14th. Again,  
24 there's an electronic application that you can submit

1 that is available at our website, and also hard copy  
2 applications have been mailed out to municipalities  
3 and other public stakeholders. So you can either  
4 mail those back in or send us an e-mail with the pdf.  
5 For additional questions, you can contact Richard  
6 Fisher at fisherr@mwr.org.

7           Next up we want to talk about the  
8 stormwater master planning initiative. So this is a  
9 questionnaire that we sent out to all communities and  
10 municipalities within the district. We sent those  
11 out back in May of 2019, and we're going to be  
12 accepting information -- additional information for a  
13 while. We'll welcome any additional information we  
14 can get. So the questionnaire consists of two parts:  
15 The first part includes general questions answered  
16 through an online application at Survey Monkey. So  
17 it's pretty easy to send those answers in. And part  
18 two is an interactive online GIS tool to show  
19 locations of flooding on a map. We also distributed  
20 hard copies to all municipalities and organizations,  
21 so just to spark your memory there, if you still need  
22 to send that in, please do.

23           We're currently at about a 50  
24 percent response rate. So again, we value any

1 additional information that can be sent in to us.

2 And yeah, I think that covers it.

3 If you have the Survey Monkey link up here. We're  
4 happy to distribute these slides later on. And for  
5 additional questions, you can contact Richard Fisher.

6 So that is all for my few slides.

7 Again, my name is Moriah Gelder. I can be reached by  
8 phone at (312) 751-3159 or by e-mail at  
9 gelderm@mwr.org.

10 And next up, we'll talk about  
11 grants.

12 MS. WRIGHT: Hi, I'm Annie Wright. I do the  
13 grant writing for Water Reclamation District. I'm  
14 mostly here to introduce myself because I have been  
15 sending grant opportunities out to the COGs, which is  
16 hopefully being sent on to all the municipalities so  
17 that you guys will have opportunities to apply for  
18 them. The reason for that is that our funding then  
19 can be spread further out across the county because  
20 you're getting other local matches through funding  
21 opportunities. So I'm going to keep doing that, keep  
22 sending them out to the COGs. But I thought I would  
23 highlight two that are coming up soon so that if  
24 anybody wanted to apply, they could.

1           So the first one is the CDBG money,  
2 the Cook County Block Development Grant. It is due  
3 March 29th. The only thing is it does require  
4 economic need. So you would have to check the  
5 requirements for that. There's a lot more  
6 information on their website. The maximum award is  
7 \$400,000.

8           Next Sustain Our Great Lakes. That  
9 is funding through the National Fish and Wild Life  
10 Foundation. Some of it would be considered federal  
11 money, so as far as matching for federal grants, you  
12 would have to check on that. It is due -- The pre-  
13 proposal is due Tuesday, February 11th. So you send  
14 in a pre-proposal and then you can go forward and do  
15 a full proposal if you are selected.

16           There are five funding categories.  
17 You can see them up there. Most of them are green  
18 infrastructure type of projects or water quality  
19 projects. And then they are doing a special funding  
20 for Wisconsin this year too. They try to focus on  
21 different areas, I guess, every year. So the funding  
22 range is 100,000 to 1 million. They said that  
23 matching funds are not required but a one-to-one  
24 match is most competitive. They have a webinar

1 tomorrow with more information. So if you Google  
2 them on their website, they'll have more information  
3 you can sign up for the webinar for more info.

4 MS. OLANDER: What is that website?

5 MS. WRIGHT: It is the Sustain Our Great  
6 Lakes. If you Google Sustain Our Great Lakes it will  
7 pop up. It's on the National Fish and Wildlife  
8 Foundation website. Do you want me to go back?

9 MS. OLANDER: No.

10 MS. WRIGHT: Yeah, and you can always contact  
11 me with any questions or yeah, anything that you need  
12 grant related, you can contact me.

13 And then now Rob is coming up to  
14 do -- talk about the Small Stream Maintenance  
15 Program.

16 MR. PODGORNYY: Hi, Rob Podgorny with MWRD.  
17 Recently, I took over the Small Streams Maintenance  
18 Program about 15 days ago, so bear with me.

19 MS. OLANDER: Can I ask who your predecessor  
20 was?

21 MR. PODGORNYY: Brian Levy. So instead of  
22 contacting Brian, I'll be handing out my cards if you  
23 need them.

24 So our Small Streams Maintenance

1 Program started in 2006. We relieve flooding in  
2 urbanized areas by quickly removing blockages in the  
3 small streams. The only way we do that is with help  
4 from the municipalities and the public. I'm not out  
5 there walking streams and looking for blockages.  
6 That has to come from you guys. I get -- well, so  
7 far in the last couple of weeks, I get three or four  
8 calls a day. So it's busy. I'm sure that will ramp  
9 up in the spring, and when the beavers get active.  
10 They are like our nemesis. They will dam up every  
11 small stream, and we take them down and they build  
12 them back up again. So we really rely on you guys to  
13 contact us. I go out and inspect the jobs, log them  
14 into our GIS database, and assign work orders to our  
15 contractors and our technicians, but it's a process.

16 So here is our equipment. We  
17 utilize contractors mostly for this. We used to have  
18 five MWRD crews, that would disperse around the  
19 county. Now we rely on contractors for all of that.  
20 We still have technicians that supervise these  
21 contracts. And they range from hand cutting and  
22 pulling out small stuff to the larger equipment,  
23 Gradalls and Skidsters and loaders. Some of these  
24 areas are hard to get at, so we don't want to damage

1 property, and we try to leave as little impact as  
2 possible when we go in there; but our goal is to pull  
3 all of this stuff out and get stuff flowing down --  
4 downstream.

5 Here is a spreadsheet since the  
6 program was developed in 2006. I don't see numbers  
7 for '06. But you can see where up at 351,000 cubic  
8 yards of debris removed. In this watershed, we  
9 haven't done much in the past few years, but last  
10 year we did 945 cubic yards. You know what a 60  
11 cubic yard dumpster looks like, it's a big -- like a  
12 big dumpster full. So each job that we pull out, we  
13 estimate the cubic yards and add that into our GIS  
14 database, and at the end of the year, we total that  
15 all up.

16 So on to the reporting. A lot of  
17 the calls we get are just from people calling in to  
18 our system's dispatcher down in the bubble downtown,  
19 and he'll forward that to me, but we do have the  
20 website. At the bottom left on the tab is our GIS  
21 maps and data. You can enter in a complaint or a  
22 citizen incident report through that. We also have  
23 an app. It's on the iPhone. I'm not sure if it's on  
24 Android yet, but that's an easier way to just tap on



1 either an odor or general incident or a stream  
2 blockage, and that will come directly e-mailed to me,  
3 and then we can assign an inspector and a technician  
4 and a crew to evaluate whether it needs to be removed  
5 or not.

6 That is also picture of me removing  
7 a dog out of the Cal-Sag. That's not in our normal  
8 duties, but --

9 MS. OLANDER: Did you rescue it?

10 MR. PODGORNYY: Yeah. We were draining SEPA 3  
11 before Thanksgiving, and this little guy was in a  
12 garbage bag in the SEPA station. So Brian and I  
13 actually went into the station, and he kept running  
14 around and jumping down from weir to weir to weir.  
15 We got down to the lowest weir. He jumped over the  
16 wall into the Cal-Sag and started swimming to the  
17 other side. So every time we tried to get him back,  
18 he would swim to the other side, which was like a  
19 rock wall with no access. So we hung back and he  
20 eventually swam over to the side and I walked in and  
21 grabbed him. And he's no chip, no tags, no nothing.  
22 So he's found a happy home.

23 MS. OLANDER: That's wonderful.

24 MR. PODGORNYY: Yeah. A nice yoga instructor

1 took him in. And if you guys have Instagram, I'll  
2 show you some pictures of him later, if you want.

3 But I encourage like the  
4 municipalities to get someone in maintenance to get  
5 this app and maybe assign someone to report these to  
6 us, because that's the only way we're going to get to  
7 these small streams.

8 I'll talk a little bit about the  
9 Rain Barrel Program. Again, to keep water out of the  
10 rivers and sewers, especially in the combined sewers  
11 areas, we're selling rain barrels to detach your  
12 gutters and save some of that water from going into  
13 the sewer. I think we're up to 133,000 rain barrels  
14 distributed since the inception of the program. You  
15 can get these through Public Affairs or on our  
16 website, and they will deliver them to your house.  
17 And they have -- I have a few at my homes. There  
18 have instructions. It's real simple to install them  
19 and attach them. You just have to remember to drain  
20 them and take them down for winter, otherwise, they  
21 will expand and crack and just get ruined.

22 We also have the Restore the Canopy  
23 Program, where we are -- in conjunction with the  
24 state nursery in Topeka downstate. We have a

1 contract with them to supply bare-root Oak trees, and  
2 we're giving those away to residents or  
3 municipalities as well. The basic idea is to --  
4 since we're cutting down all these trees and removing  
5 all of these dead trees, I see thousands of dead  
6 trees every day, to restore that canopy to soak up  
7 some of that rain water and keep it from going into  
8 the streams and gutters.

9 MS. OLANDER: Can I ask a question about  
10 that? What size are the trees?

11 MR. PODGORNY: They're about three feet.  
12 They're about one year old from bare-root stock, and  
13 you can get them in bundles of 50. We either plant  
14 them in the compost in pots and can deliver them to  
15 the villages in 50 or more, loads of 50. If you want  
16 one, you can go to one of our sewage treatment  
17 plants: Calumet, Egan, Hanover, Kirie, O'Brien or  
18 Stickney, every Wednesday, and you can pick one or  
19 two or five or 10 up. You have to water them and  
20 take care of them and take multiples because if you  
21 plant 10 this year, maybe five will survive the  
22 winter, and then two will survive the winter after  
23 that. So Oak trees are hard to grow, but we do want  
24 to restore that Oak tree canopy.

1           Again, contact Public Affairs if you  
2 want them delivered to your village; otherwise, come  
3 to our sewage treatment plants and pick them up on  
4 Wednesdays.

5           And that's all I have. If you guys  
6 have a lot of questions, I'll try to struggle through  
7 them. If not, contact me, and I will be able to  
8 answer them better in an e-mail or phone call.

9           MR. THOMAS: And the Wednesday won't kick off  
10 until the spring, so probably March or April we'll be  
11 giving them out.

12           MR. PODGORNY: Okay. Yeah, I wouldn't come  
13 get them. The nursery doesn't have them ready just  
14 yet. That will be ramping up.

15           Next up is Nate.

16           MR. WOLF: Hi, my name is Nate Wolf, I'm in  
17 our local sewer section at MWRD, I will be giving the  
18 WMO and ISEP update today.

19           I'm going to start with some permit  
20 applicability refresher, which these slides are new  
21 as of 3:30 yesterday, so if I say something or if you  
22 see something up there that doesn't make sense, let  
23 me know, and we'll figure it out.

24           So permit applicability: A WMO

1 permit is required for development over .5 acres,  
2 modifications to District permitted detention  
3 facilities, flood-protection areas, qualified sewer  
4 construction, District impacts and outfalls. I'll go  
5 a little into each one of those.

6 I'm going to start with the  
7 definition of development and maintenance, because  
8 maintenance doesn't count toward that development  
9 total. So development activity is any human-induced  
10 activity or change to real estate done by private or  
11 public individuals that affects the volume, flow  
12 rate, drainage pattern or composition of stormwater.  
13 Development includes redevelopment but does not  
14 include maintenance. Maintenance activity is in kind  
15 replacement, restoration or repair of existing  
16 infrastructure, pavement or facilities, including  
17 roadways, parking lots and permeable areas provided  
18 they will perform the same function that they were  
19 originally designed for.

20 So first off, for flood protection  
21 areas, development within a flood protection area is  
22 any disturbance meeting the definition of development  
23 within a flood protection area. Regardless of the  
24 size of the disturbance, you will need a permit. So

1 even if the development is under half an acre, if  
2 it's in a flood protection area, you'll need a  
3 permit. Flood protection areas include regulatory  
4 floodplains, regulatory floodways, riparian areas,  
5 wetlands and wetland buffers. And these slides will  
6 be available later if you need these definitions.

7           So what is an indirect wetland  
8 impact, so within a hundred feet of a wetland, you  
9 have to check for indirect impacts to the wetland.  
10 An indirect impact is when the wetland hydrology will  
11 fall below 80 percent or exceed 150 percent of the  
12 existing storm event runoff volume. That's for the  
13 two year/24 hour storm event. So a large increase or  
14 a decrease in water that wetland can either starve it  
15 out or oversaturate it. So you need to account for  
16 that and submit the permit with mitigation.

17           So also, development of residential  
18 buildings within a hundred feet of regulatory  
19 floodplain you need to submit a permit. That is the  
20 only time that you will need a permit for a  
21 residential building, a single-family home.

22           So these types of permits do not  
23 require a permit: Projects undertaken by state or  
24 federal agencies, for example, IDOT and Illinois

1 Tollway Authority or Army Corps. Flood-control  
2 projects undertaken by the District or by a  
3 municipality, a WMO permit is not required, and  
4 that's even if the development area is greater than  
5 half an acre. The exception is the WMO permit is  
6 still required if there's a qualified sewer  
7 construction or new outfalls. So connections to the  
8 District or connections to the waterway.

9 A permit is required for  
10 developments greater and half an acre. Some examples  
11 of items requiring a permit would be more than half  
12 an acre of new concrete, asphalt, asphalt grindings,  
13 gravel parking or storage areas. We've seen quite a  
14 few of those last year where people didn't submit for  
15 a permit when creating those new areas. New  
16 buildings, new parking lots, changes in drainage  
17 patterns, development with in kind replacement of  
18 green infrastructure -- oh, with green infrastructure  
19 may be considered non-qualified development. You  
20 still need a permit, but you wouldn't need to provide  
21 the normal detention for those areas. So we do  
22 encourage green infrastructure and we're lenient on  
23 those areas.

24 Some more instances where a permit

1 is not required: Single home family -- single family  
2 home development outside of flood protection areas,  
3 installation, replacement or renovation of a utility  
4 serving an existing structure if it's restored to the  
5 existing grade and vegetative cover, excavation and  
6 public right-of-way or utility easements for the  
7 purpose of installing or maintaining utilities other  
8 than qualified sewer; provided existing grade and  
9 vegetative cover is restored. And as I mentioned  
10 before, maintenance does not require a permit. So  
11 permits that are only repaving or repairing sewers  
12 would not require a permit provided that the existing  
13 condition is restored.

14 Here is some examples that would  
15 require a permit: The construction of a pond, mass  
16 grading, installation of pervious pavers in the form  
17 of grass area, replacing grass with synthetic turf,  
18 installing structural grass to convert landscaped  
19 area to parking. And also, a permit is not required  
20 for maintenance of impervious areas including  
21 roadways, parking lots -- roadways and parking lots  
22 mainly.

23 Some examples not considered  
24 maintenance and require a permit: Installing new



1 drainage structures or storm sewers in existing  
2 parking lot, that's a change in the drainage pattern  
3 and does require a permit. Constructing a curb  
4 around an existing impervious area, is a change in  
5 drainage pattern requires a permit. Installing  
6 permeable pavers or demolishing a building and  
7 installing a new building in the same footprint.

8 The definition of qualified sewer  
9 construction, so that's all public and private sewers  
10 that connect to the exterior of a building  
11 foundation. That includes storm sewer and a combined  
12 sewer area, even if it's tributary to a waterway. So  
13 that would require a permit.

14 So all the following need a permit:  
15 sanitary sewer, storm sewer within the combined sewer  
16 area, storm sewer within a separate sewer area  
17 tributary to District facilities. Interior sewer  
18 work is considered plumbing and regulated by the  
19 local authority, no permit is required. A complete  
20 list of qualified sewer construction can be found in  
21 our Ordinance, Section 701.

22 So the District permitted detention  
23 facilities require a permit. So any time you  
24 reconfigure the existing stormwater system or modify

1 the storage or structure, the volume, high water  
2 level and release rate must be -- meet the permit.  
3 Any change to the existing permit will require a new  
4 permit. Impacts to District facilities require a  
5 permit. So connection to our interceptors or to the  
6 waterways.

7 Some other special permits that we  
8 have to offer is municipality permits. Authorized  
9 municipalities review their own permits. You would  
10 still have to send the District the plans to review  
11 the qualified sewer construction or legacy detention.  
12 It's probably also worth adding that if you are an  
13 authorized municipality, you can't review your own  
14 permits. So if there is a municipal project, you  
15 would need to send that in for regular permit review.

16 And multi-county municipalities will  
17 meet the permit requirements of whichever  
18 municipality they are -- they have the IGA with  
19 outside of Cook County. So we would again still  
20 review the qualified sewer construction on those  
21 permits, but everything else will be reviewed by the  
22 other county.

23 If you're still not sure if you need  
24 a permit, as always, you can submit for a permit

1 determination request. You can send that in by mail  
2 to Justine Skawski. Her information is in the  
3 presentation and also on our website. And if you  
4 need help completing a permit application you can  
5 schedule a pre-application meeting and come in and  
6 work with us for help.

7 If you need any previously issued  
8 SPO or WMO permits, you can e-mail [mwrdpi@mwr.org](mailto:mwrdpi@mwr.org),  
9 and we'll get those to you.

10 We have an e-mail list for WMO  
11 updates. If you want to know about these changes as  
12 soon as they happen, you can e-mail  
13 [wmoupdates@mwr.org](mailto:wmoupdates@mwr.org) to join the list.

14 And if you are submitting a permit,  
15 please make sure to use the most recent forms. Those  
16 are available on our website. The new website, in  
17 case you don't know, is [mwr.org/wmo](http://mwr.org/wmo). That will take  
18 you to the WMO and I & I page.

19 I'm sure everyone knows that the WMO  
20 update became effective January 1st, so now the new  
21 release rates are in effect. Those are watershed  
22 specific. So in Poplar Creek, the release rate is  
23 now .25 CFS per acre. In Upper Salt, the release  
24 rate is now .2 CFS per acre. We're now requiring the

1 updated Bulletin 70 rainfall data from ISWS. So that  
2 increases the rainfall depth a little bit. And we  
3 made changes to the redevelopment allowances and  
4 methodology. Be sure to use the new Schedule D, it  
5 should walk you through those changes fairly well.

6 Here is a map of the current  
7 affected watershed specific release rates.

8 Some recent TGM updates: We updated  
9 Article 5 for these new rainfall release rate and  
10 re-development changes. Article 14, a new version  
11 has been added. We have new design calculators which  
12 are quite useful. They're all in one file.  
13 Previously, they were all separate links on the  
14 website. Now they're all one file, and you have to  
15 use the separate tabs for each different tool. We  
16 have HEC-HMS model templates for new development and  
17 re-development for that stormwater modeling. And if  
18 you are expecting something to show up on the website  
19 and it's not, you might need to clear your browser  
20 cache to see any updates. I don't think that has  
21 been an issue recently, but if you have an issue you  
22 can contact me or Ann as well.

23 Some forms that recently updated:  
24 Schedule D, Schedule H, Schedule P, Schedule W,

1 Schedule D Legacy, the fee payment voucher. The fees  
2 are the same still, but the voucher was updated.  
3 Authorized municipality form. We have some detail  
4 updates, the outlook control structure details for  
5 wall and plate restrictors. We have a new typical  
6 volume control storage below detention basin outlet  
7 detail that helps show the native plantings in that  
8 detail.

9           Some things we're planning for the  
10 next WMO amendment: Expanding offsite volume control  
11 and detention trading within Article 5. We're doing  
12 test planning areas, Lower Des Plaines and Little  
13 Calumet River Watershed. It's being presented to the  
14 TAC right now and decided on. That is why I'm  
15 filling in for Ann right now. She is at the TAC  
16 meeting giving that presentation.

17           The TGM updates: Article 4, soil  
18 and erosion control will be updated on the next  
19 amendment, and that's also being present to the TAC  
20 right now.

21           For I & I Program, we need to make  
22 sure that the sewers are being maintained in the  
23 municipalities to prevent infiltration and inflow to  
24 the sewers. Short-term requirements were due to be

1 completed July 10, 2019. So all of the condition  
2 assessment should be completed by now. Those reports  
3 are due March 1, 2020. The long-term operation and  
4 maintenance program submittals were also due July 10,  
5 2019. So if you don't have those in already, please  
6 make sure to send those. We'll be sending out some  
7 remainder mail out shortly.

8 If you're not sure you're in  
9 compliance or have questions, you can contact Ann  
10 Gray at (312) 751-3085 or graya@mwr.org or myself.  
11 I have a card I can give you after the meeting.

12 And all I & I information can be  
13 found at mwr.org/ii.

14 We still have GPS units available.  
15 I believe all but one are available right now. So  
16 contact us if you want more information on that  
17 program. It's easy to enter in an IGA. We have  
18 sample IGAs. You can -- We have sample letters of  
19 intent. So we want to make it as easy as possible  
20 for you to borrow GPS unit and shoot your sewers if  
21 you want. And Ann Gray is the contact for that. And  
22 her information is up on the screen.

23 Any questions on all of that  
24 information?

1 (No response.)

2 MR. WOLF: I think that's it for MWRD. I  
3 believe Kim is up next.

4 MS. NOWICKI: So I'm here to talk about --  
5 I'm from Cook County Department of Emergency  
6 Management and Regional Security. Here is my  
7 disclaimer, our department just went -- recently went  
8 through a name change, via the Cook County Board  
9 President's meeting. We were formerly Cook County  
10 Homeland Security Emergency Management. In my  
11 presentation there's a couple things that still has  
12 our old name on it. It's going to take some time to  
13 transition everything over.

14 So going forward, I'll talk about of  
15 course our wonderful Hazard Mitigation Plan. We just  
16 recently updated the 2014 plan, and we started  
17 working on this back in April. And we just finished  
18 it, and it was approved by FEMA on September 26th.  
19 This was one -- I believe this is the largest Hazard  
20 Mitigation Plan in the country. We worked with so  
21 many partners, and we increased our coordination with  
22 this one from the 2014 plan. We worked with MWRD  
23 quite extensively. We worked with 121  
24 municipalities. We have 135 in the county, so we did

1 get a majority of them. We also worked with IEMA and  
2 FEMA, and we had a steering committee that was  
3 comprised of various municipalities and agencies  
4 throughout the county. We also worked, and this was  
5 something we included this time, we worked with our  
6 county agencies like Department of Economic  
7 Development, Department of Transportation and  
8 Highways, and Building and Zoning to try to make sure  
9 we incorporated all of the departments into what we  
10 wanted to see going forward for the Hazard Mitigation  
11 Plan.

12 So this included, in our update, we  
13 increased our public outreach. We sent out a survey.  
14 We -- Again, we increased the county department  
15 coordination. Between all of the municipalities that  
16 were participating, we came up with 367 new action  
17 items to potentially mitigate hazards within our  
18 jurisdictions. And one of the things that I would  
19 like to bring up, which is most exciting part of this  
20 slide, we're trying to take this plan that has to be  
21 done every five years, and not just make it a one and  
22 done, we'll see you in five years, and we don't look  
23 at anything within it within that time. We want to  
24 make it into a program. What we're looking at, we're



1 still building out the details on it. What we're  
2 looking at is to come up with biannual meetings,  
3 regional meetings, that would incorporate and involve  
4 the municipalities on that regional level. At those  
5 meetings we would like to offer training. We would  
6 like to offer ways to maybe build relationships with  
7 MWRD and the county agencies to come up with possible  
8 regional projects that would encompass grant  
9 opportunities from FEMA and get some of these  
10 projects done. A lot of municipalities, they don't  
11 talk to their neighbors or they don't realize they  
12 how many of their neighbors are having the same  
13 issues as they are. We started getting into that  
14 when we were meeting with them in the process of the  
15 HMP. So we would like to continue that growth. We  
16 would like to be able to offer FEMA training for them  
17 so they can help with their own grant writing, like a  
18 class on BCA, benefit cost analysis, or something  
19 like that to make them more educated on what  
20 opportunities are available to them, who they can  
21 work with, and you know, how they can make their  
22 communities better.

23                   Next we're moving on to what our  
24 department can provide. A lot of people don't know

1 we're like the equipment library for the county. We  
2 have two sites: We have one in the north, one in the  
3 south that houses various pieces of equipment that  
4 can assist municipalities in emergency -- not only in  
5 emergency management, but if they're having events or  
6 pretty much to try to stop things before they start.  
7 What you see here are two different sizes of pumps  
8 that we have. There has been a lot of instances  
9 where a community sees that there is going to be high  
10 levels of flooding, they can get the pumps ready to  
11 go and say we may need a pump, get it ready to go so  
12 they can mitigate catastrophic flooding.

13 On the right, that is like our  
14 largest pump. I believe that can pump out like a  
15 hundred thousand gallons of water. It's phenomenal.  
16 They have to be careful where they put it to not  
17 flood anybody else, because it works so well. And on  
18 the left is a smaller pump that a community might use  
19 for like a flooded street that potentially could hit  
20 some houses. If they place that properly, they can  
21 prevent that from happening.

22 Another thing that we -- things we  
23 have are moving traffic. We have the white trailer  
24 we have set up there is a -- that has retracta-cades

1 and different cones and horses that could potentially  
2 help if you have a flooded street or if you had  
3 something going on where there was say a car accident  
4 or something -- a large nature that you would need to  
5 direct some traffic for an extended period of time,  
6 we have a trailer set up that already has that in  
7 there. Municipalities can ask to borrow that. We  
8 also have our signboards if people -- if you are  
9 having an event or there's a road closed for again an  
10 emergency nature, we can -- they can bring that out.

11           What the municipalities will do is  
12 they'll contact our Duty Desk, and that is how they  
13 would request the use of this equipment. The  
14 equipment lent out based on obviously human life  
15 safety concerns first. Then they go from there. We  
16 have a lot of agencies that borrow this for their  
17 summer fests, and stuff like that. But we always  
18 also take the human factor first.

19           These are some other equipment.  
20 This other equipment we have to support our  
21 municipalities. We have our unified command center  
22 our UCP on the left there. Again, it has our old  
23 name, our old acronym on it. What is inside is like  
24 a technical wonderland for our law enforcement and

1 fire to have like a unified command where they can  
2 get maps and they can be able to coordinate from  
3 there. A lot of our municipalities say they have  
4 their fireworks fest or something like that, that  
5 would request this to try to help monitor the  
6 situations when they have a large amount of people,  
7 doing stuff in their village. Again, everything is  
8 subject to human life. If there is an emergency,  
9 that, of course, takes precedence.

10 The equipment on the right, this is  
11 a mobile office trailer. We've actually had a  
12 municipality that they had an emergency where they  
13 lost their ability to function in their village hall.  
14 They were able to use this MSB to be able to do a lot  
15 of their administration stuff from this.

16 This is our emergency operation  
17 center. If there was an event in Cook County, this  
18 is where we would be operating out of to -- we would  
19 operate with incident command in our EOC, and we  
20 would support them here. We would have agents from  
21 the municipalities affected, also our county -- all  
22 of our county departments which makeup our public  
23 safety consortium, and we would be effectively trying  
24 to assist incident command in the emergency that was

1 going on in the county.

2 And this is some other stuff. We  
3 have our IPAWS, this is a warning system that people  
4 can sign up for to receive the emergency alerts  
5 coming straight to them. We also offer WebEOC that  
6 is a free -- this is a free software use to -- this  
7 is offered to all of our municipalities to connect,  
8 and they can put on the status of their communities  
9 and say they have flooded streets, they need to  
10 request equipment or actually if they need to let us  
11 know about something going in their town, an accident  
12 or something like that, road closures, any  
13 significant events, and that way we can -- that is  
14 another way to help coordinate with the municipality.

15 So I know I have short little  
16 presentation today. This is how any municipalities  
17 would get in touch with our Duty Desk on the bottom  
18 there. It's manned and monitored 24/7, 365 days a  
19 year. We also have our -- That is Chief Ryan, who is  
20 my boss. He is our Planning Section Chief. I'm the  
21 Regional Planner. My information is on the left.  
22 And these are our regional coordinators. Currently,  
23 we're down one. We usually have one north, central  
24 and south. They can also be contacted for

1 information, especially regarding if there's an  
2 emergency to get that equipment out to them, if there  
3 is an emergency situation; otherwise, if it's just a  
4 normal request, it would go through Duty Desk on the  
5 bottom.

6 So does anyone have any questions?

7 (No response.)

8 MS. NOWICKI: Thank you.

9 MS. JOHNSON: Okay. Thanks everyone for  
10 coming out.

11 Does anyone have any other business?

12 (No response.)

13 MS. JOHNSON: Okay. Well, the next meeting  
14 is going to be on Wednesday, April 15th, the same  
15 time and place, 10:30 a.m. here.

16 Thank you.

17 (The meeting concluded  
18 at 11:12 a.m.)

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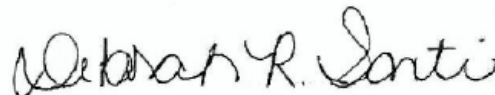
1 STATE OF ILLINOIS)  
 ) SS.  
2 COUNTY OF COOK )  
3

4 I, DEBORAH R. SANTI, Certified Shorthand  
5 Reporter for the State of Illinois, do hereby certify  
6 that on the 15th day of January, 2020, the Poplar  
7 Creek and Upper Salt Creek Watershed Planning Council  
8 Meeting was taken before me, reported  
9 stenographically, and was thereafter reduced to  
10 typewriting.

11 The said hearing was taken at  
12 the Prairie Center for the Arts, 201 Schaumburg Court  
13 Schaumburg, Illinois.

14 I further certify that the  
15 foregoing is an accurate record of the hearing at the  
16 time and place hereinabove referred to.

17 Witness my official signature  
18 and seal as Notary Public, in and for the County of  
19 Cook, State of Illinois, on the 30th day of January,  
20 2020.

21 

22  
23 DEBORAH R. SANTI, CSR

CSR # 084-004107

24