

Municipal Advisory Committee (MAC)

Meeting Minutes for Wednesday, December 11th, 2019
Lake County Central Permit Facility, Libertyville



STORMWATER MANAGEMENT COMMISSION

Chris Bouchard, MAC Co-Chair called the meeting to order

- I. **Introductions from attendees**
- II. **Approval of Minutes –April 10,2019.** Minutes approved by consensus.
- III. **NPDES Municipal Stormwater Program**
 - a. **Michael Perkaus of Aquatic Ecosystems Management presented on Aquatic Maintenance Presentation.**
 - i. Mike presented on challenges and successes of projects and considerations that are needed for pond water quality of urbanized impacts.
 - ii. Nutrient enrichment includes both sediment deposition from shoreline and suspended materials from storm inflows as well as internal & external nutrient loading. Over time all ponds fill with sediment reducing water storage and increasing internal loading from resuspended soils/nutrients. Increased sediment and nutrient loading results in reduced ecological function and increased nuisance algae growth.
 - iii. Some successful programs maintain and follow through with a regular monitoring and maintenance program for shorelines and stormwater inline systems and have programmed funding in place to address issues. Maintaining a functional system, will allow for reduced nuisance algae, adequate water storage, better vegetation establishment, and water flow in high water events.
 - iv. Neglected maintenance reduces designed runoff water storage, blocks, or impedes outlet/inlet structure, limits designed water flow through the landscape/stormsewer network, and increasing nutrient concerns.
 - v. Continuity in management and/or responsible contractor tends to ensure a success long-term project.
 - b. **Ernesto Huaracha, SMC presented on the results of the Survey Questionnaire.**
 - i. Survey sent to 67 programs, 50% response rate. Targeted programs municipalities and townships.
 - ii. The survey was to get an idea of program representation, programmatic topics and program status for potential permit revisions and impacts. He highlighted the base questions and included pie chart of responses received per question.
 - iii. He highlighted MS4 program specifics that are being addressed and what could be addressed (workgroup participation, stormsewer networks).
 - c. **Ernesto Huaracha, SMC presented on the results of MS4 Webmap Update Summary.**
 - i. He highlighted the inclusion of the 2018 IL EPA EJ area data was incorporated into the Lak County SMC MS4 Webmap.
- IV. **Ordinance Administrative Issues**
 - a. **Kurt Woolford, SMC presented on the current status of the Watershed Development Updates (WDO) Updates.**
 - i. He highlighted the increased rainfall from the ISWS March 2019 Bulletin 70 (8.5”). Significant increase in the 100-yr. storm water volume from the previously issued Bulletin 70 (6.5”).
 - ii. SMC held a public comment period and multiple public outreach meetings to solicit input and increase awareness.
 - iii. SMC issued a technical guidance memo to EO’s in in May 2019 to issue guidance until TAC amendments are approved. EO can always implement stricter guidelines than the WDO.

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- iv. Approved by TAC a 6-month grace period to qualify under the old rainfall or based on the new guidelines when the new WDO is approved. Some consideration if permitting is needed by IL DNR will need to determine the rainfall requirement pending their approval date by IL DNR and permit submission date.
- v. The Lake County Watershed Development Permitting Process will transform to an all-digital application process in 2020. Review software will be Bluebeam PDF software.

V. SMC/Community Working Relationships

- a) Ashley Warren, SMC spoke about the Flood Problem Area Webmap for Lake Michigan & North Branch Chicago River. The resource is being used for watershed planning purposes. The discussion was a reiteration of previous outreach to targeted municipalities and townships.
- b) Ashley Warren, SMC spoke about the Des Plaines River Watershed-Based Plan Report Card. The report card is a post watershed- based plan action item, upon completion of the watershed. A steering committee was developed to help implement milestone metrics. It is expected that there will be two committee meetings per year. Anyone interested in participating should contact Ashley.

VI. Inter-jurisdictional Programs, Projects, and Grants Forum

- a. Inter-jurisdictional Programs
 - i. **Mike Warner of Lake County SMC presented on the SMC Stormwater Capital Improvement Fund.**
 - SMC proposed a new program request for capital funding (STOCIP) for flood mitigation projects through the Lake County budget process. The current year STOCIP budget is 2 million dollars to be used to fund flood mitigation benefits. The STOCIP program will address projects in different phases over a 5-year initial program period: Preliminary Engineering, Design Engineering, and Construction.
 - A policy is in place and will be used in the selection process. There is a damage evaluation assessment matrix with a prioritization mechanism and a minimum point requirement of 1,000 points. The policy indicates the input criteria for assessment, damage point descriptions, definition of applicable damage impacted by flooding (roads/structures), and block group income input (SMC Enhanced Environmental Justice Map).
 - The complete program information will be publicly available for use after the January 2020 SMC board meeting regarding the policy and program.
- b. Projects --**No Action**
- c. Grants Forum--**No Action**

VII. Upcoming Training Opportunities, Meetings, Events

- a. Lake County SMC DECI Workshop- Announcement of date February 26,2020. Announcement of presentation request Present at the 2020 DECI Workshop; Presentations should be between 30-45 minutes; The deadline to submit a topic is December 31, 2019

VIII. Other Topics for Discussion

- a. If you are not receiving email notifications regarding MAC, please email ehuaracha@lakecountyl.gov to be added to the digital email distribution list.

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- b. If your MS4 community has any NPDES related projects, awards achievements you wish to highlight and present to the Lake County community, please email ehuaracha@lakecountyil.gov to schedule a presentation.
- c. SMC observed that the Topcon NETRTK network has a vertical elevation difference of + 0.4'. Topcon representatives indicated it was the Lake County Grading Base Station when taken offline. It was unsure when a future fix was to be provided or whether a notification was to be provided. Using the Topcon RTK network omits the error of +0.4'.

IX. Next Meeting

- a. MAC Meeting, a 2020 schedule was provided.
- b. Next meeting is April 15, 2020

X. Adjourn

- a. Meeting adjourned at 11:00 a.m.

2018 Schedule:

~~General: April 4, 2018~~

~~General: September 5, 2018~~

~~General: June 6, 2018~~

~~General: December 5, 2018~~

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STORMWATER MANAGEMENT COMMISSION

	Name & AGENCY/GROUP	Email Address	MS4 Community
0	John Doe, Consultant Inc.	Ms4@worldwideweb.com	County/Township/City/ Village/Town/Drainage District
1	FRED CHUNG, Village of LIBERTYVILLE	fchung@libertyville.com	Libertyville
2	JEFF COOPER, Village of LIBERTYVILLE	jcooper@libertyville.com	Libertyville
3	AL GIERAYCH, LCDOT		LAKE County
4	Scott Firnbach Round Lake Park	sfirnbach@r/pil.com	Round Lake Park
5	MITE WARMER	MITEWARME@LAKE.CO.VI	SMC - LAKE County
6	Jon Corra	blee	
7	Carlin Burke	cburke@gha-engineers.com	Bannockburn, Riverwoods
8	Scott Griffith	SGriffith@CEBEL.COM	
9	LISA WOOLFORD	lwoolford@lmanu.com	

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1	Asnley Sorelcheek, smc		
2	Emilio Iturachi		smc
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1	Karen Daulton Bange Village of Lake Barrington	KOLange@ LakeBarrington.org	Lake Barrington
2	Heather Galan Village of Gurnee	HGalan@village.gurnee.il.us	Gurnee
3	GEOFFREY PERRY, GETWALT HAMILTON	gperry@gha-engineers.com	CONG GROVE, KILDEER, OTHERS
4	Aaron Rudy, Aquatic Ecosystems Management RHMG, Beach Park,	Aaron@H2OECO.com	
5	Chris Bouchard GreenOaks, Wauconda	cbouchard@rhmg.com	
6	ROBERT PHILLIPS DEERFIELD PWIE	rphillips@deerfield.il.us	Deerfield
7	KURT WOLFORD	kwolford@lakecounty.il.gov	same
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1	MARK STOCKLEY	M. Stockley@foxriverimprove.org	Village of Fox River Grove
2	ANNE MARRIN	MARRINA@foxlake.org	VILLAGE OF FOX LAKE
3	ROBERT ELLS	ells@cityoflakeforest.com	LAKE FOREST
4	BILL BLECKE	WBLECKE@MANHARD.COM	FOUND LAKE BESCH LAKE ZURICH, Volo, LAKE MOORE
5	Brian Faulk (PRPD)	bfaulk@lakecountyl.gov	PRPD
6	Tish Crane (SMC)	jcrane@lakecountyl.gov	SMC
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