



STORMWATER MANAGEMENT COMMISSION

**Municipal Advisory Committee**

**September 13, 2017**

**9:00 AM**

**Lake County Central Permit Facility, 500 W. Winchester Rd., 2nd Floor, Libertyville, IL**

**AGENDA**

- I. Introductions**
- II. Approval of Minutes**
  - a) Approval of June 14, 2017 Meeting Minutes [5]
- III. NPDES Municipal Stormwater Program**
  - a) No Actions
- IV. Ordinance Administrative Issues**
  - a) Watershed Development Ordinance Certified Community Recertification, Kurt Woolford, SMC [15]
- V. SMC/Community Working Relationships**
  - a) Chloride Reduction Case Study – Village of Buffalo Grove’s Snow and Ice Control Plan, Mike Reynolds Village of Buffalo Grove [30]
  - b) 2017 Flash Flood Event Response Overview,
    - i. Jeff Laramy, SMC [15]
      - 1. Overview of flood response activities, GIS tools and communication resources for field staff.
    - ii. Neil Schindelar, SMC [10]
      - 1. Overview of drone policy, field uses, flood assessment data gathering and reporting.
    - iii. Sharon Østerby, SMC [15]
      - 1. Overview of damage assessment reporting, requirements, and processes for reporting and funding support.
- VI. Inter-jurisdictional Programs, Projects and Grants Forum**
  - a) Inter-jurisdictional Programs
    - i. No Actions
  - b) Projects
    - i. No Actions
  - c) Grants Forum
    - i. No Actions
- VII. Upcoming Training Opportunities, Meetings, Events**
  - a) **Des Plaines Watershed Based Plan Meetings**
    - url: <https://lakecountyil.gov/2387/Des-Plaines-River-Watershed-Plan>
    - i. **September 14, 2017**, 1-3 PM @ Central Permit Facility, Topic: Transportation
    - ii. **October 12, 2017**, 1-3 PM @ Central Permit Facility, Topic: Non-Point Source Pollution - Water Resource Problem Assessment (Non-point source pollutant modeling)
    - iii. **November 9, 2017**, 1-3 PM @ Central Permit Facility, Topic: Watershed Plan Implementation & Milestones & Jurisdictional Coordination
  - b) **Deicing Workshops Notification**
    - url: <https://lakecountyil.gov/CivicAlerts.aspx?AID=895>
    - i. September 25, 2017, Parking Lots and Sidewalks @ Lake County Central Permit Facility

ii. September 26, 2017, Roads @ Lake County Central Permit Facility

iii. September 27, 2017, Roads @ Lake County Central Permit Facility

c) **Watershed Management Board Project Proposal Packet FY2018**

i. url: <https://www.lakecountyil.gov/DocumentCenter/View/15658>

ii. WMB Project Proposal Packet FY2018 Released as of August 4, 2017

iii. FY2018 project proposal deadline for SMC receipt of proposals is 4:00 p.m. on October 6, 2017.

d) **DECI Workshop Notification**, 1<sup>ST</sup> QTR 2018

**VIII. Other Topics for Discussion**

a) 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](mailto:ehuaracha@lakecountyil.gov) to schedule a presentation.

b) If you are not receiving email notifications regarding MAC, please email [ehuaracha@lakecountyil.gov](mailto:ehuaracha@lakecountyil.gov) to be added to the digital email distribution list.

c) For Des Plaines Watershed stakeholders please submit information on your planned and/or projected future water quality improvement projects anticipated during the FY 2017-2028 ([AWarren@lakecountyil.gov](mailto:AWarren@lakecountyil.gov)).

**IX. Next Meeting**

a) MAC Meeting, December 13, 2017 @ 9:00AM

**X. Adjourn**

\*\*\*PDHs are self-reporting. If you want to apply MAC meetings towards your professional license keep the agenda and minutes w/sign in sheets.



**DRAFT Municipal Advisory Committee Meeting Minutes**  
**Wednesday, June 14, 2017**  
**Lake County Central Permit Facility, Libertyville**

Darren Monico, Village of Buffalo Grove, SMC MAC Chair called the meeting to order at 9 a.m.

- I) **Approval of Minutes – March 8, 2017.** Minutes approved by consensus.
- II) **NPDES Municipal Stormwater Program**
  - i) Website updates - Ernesto Huaracha, SMC
    - The SMC NPDES Phase II website [<https://lakecountyiil.gov/2479/NPDES-Phase-II>] is continually being revised and updated to reference additional educational resources and usefulness. Additional updates will be ongoing to maintain its usefulness.
    - If additional educational resources are needed or need to be develop for availability to the MS4 community please contact SMC to discuss opportunities and/or requests.
  - ii) DRWW/MS4 year 1 Overview – Beth Adler, DRWW
    - Beth reported on the DRWW structure, members, funding, workgroup mission and goals.
    - Monitoring program results to be presented at the DRWW General Membership Meeting in August 2017.
    - DRWW monitoring report submitted to the IL EPA and allows for DRWW MS4 active members to claim the monitoring report for permitting compliance.
- III) **Ordinance Administrative Issues – None**
- IV) **SMC/Community Working Relationships**
  - A. Stormwater Utility Case Study, Fred Vogt/ Rob Horne - City of Rolling Meadows
    - City representatives for the City of Rolling Meadows presented on their stormwater management fee program.
    - The program started in 2000-2001 to finance project capital costs, staffing, engineering and planning services, maintenance of storm water infrastructure and open waterway resources, and inventorying of existing infrastructure.
    - Specific project highlights:
      - o Storm sewer network inventory:
        - The assumption was the city maintained 65 miles of stormwater piping, but upon completing the inventory they could determine that they maintained a 100-mile network.
        - Additional, data inventory includes internal pipe televising and GIS based data tracking.
      - o Rolling Meadows, Salt Creek Park District flood control basin, the program supported the flood control project via an inter-governmental collaboration which saved all the projects and overall 10-13% for multiple projects.
    - The program has sought to alternate by year design and construction related work to maximize available funds.



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- Initial Rate in 2001 based on a \$1.65 Equivalent Residential Unit (ERU) per month. The ERU rate was later updated to reflect an annual increase of the fee by 5% every year.
- ERU was based on the average impervious surfaces of 100 random residential parcels throughout the municipality. The average impervious residential surface equated to 3,604 sq. ft. All other developed properties are assessed an ERU of the total impervious area divided by the avg. 3,604 sq. ft. The Stormwater Management Fee has supported a range of stormwater based projects. The fee has also supported grant match requirements, specifically previous 319 granted projects.
- The success of the program has been the capital improvement board with elected city officials and public work staff working in collaboration on planning and forecasting future projects.

#### B. North Branch Workgroup Introduction, Brandon Janes –Village of Deerfield PW

- Brandon discussed the workgroup benefits. The EPA and IEPA supports workgroup participation to maximize resources and supports projects that remove water stressors.
- The workgroup will focus on the three Northern branches (West Fork, Middle Fork, Skokie River) of the Chicago River.
- The workgroup is currently progressing on a potential formation:
  - o Membership solicitation is in progress – 7 letters of commitment to date.
  - o Implementing a dues structure, the current budget target is \$137,000.
  - o Long term goals will be monitoring and maximizing water quality benefits, and eliminating water stressors.

#### C. Des Plaines Watershed Plan Update and Review, Ashley Warren – SMC

- Ashley presented on the watershed based plan and meetings to date summation.
  - o Watershed based plan - In Progress, 2/2018 Draft Plan and 5/2018 Final Plan
  - o Stakeholder meetings - In Progress
    - 14 meetings completed to date
  - o Stream Inventory - Completed
    - Data available via web  
<http://lakecountyiil.maps.arcgis.com/apps/webappviewer/index.html?id=918c4042dcec431ba46b5c1a7030b46c&extent=-9835848.6057,5176480.893,-9738009.2095,5239847.1894,102100>
  - o Flood problem area (FPA) assessment and survey
    - 7,883 questionnaires sent out
    - Obtained 77 new FPAs, removed 12 FPAs, total ~ 263 FPAs
  - o Lake shoreline Inventory – Completed



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- Pollutant Load Modelling - In Progress
- Project Action Recommendations - In Progress
  - For projects intending to seek EPA 319 grant support must submit their project recommendations to SMC for incorporation into the watershed based plan. The project forecast should include planned and potential projects forecasted for the next 10 years (2017/2018-2028).
    - **SUBMIT PROJECT RECOMMENDATIONS** to Ashley Warren ([AWarren@lakecountyil.gov](mailto:AWarren@lakecountyil.gov))
  - Windshield survey to develop BMP recommendations- Completed.

**D. Lake Michigan 2018-2020 WBP Introduction, Mike Prusila – SMC**

- Mike presented on the proposed watershed based plan activities for Lake Michigan.
  - The plan will target Lake County but may incorporate Northeastern Cook County in the planning area pending support.
  - The watershed plan will address:
    - Impairments, water quality in nearshore, impairments to beaches,
    - Stormwater issues to ravines and bluff failure,
    - Localized concerns and potential future concerns,
    - An additional goal will be a unified plan for all the subwatersheds comprising the Lake Michigan watershed (Kellogg Creek, Dead River, Waukegan River have been completed but are outdated),
    - Geospatial inventory of water resources and conditions, and
    - Project identification for grant opportunities.
  - Funding sought to support plan implementation:
    - The 319 grant is being pursued for funding support,
    - Additional grant opportunities will be pursued, including the Illinois DNR Office of Coastal Management
    - Outreach to community stakeholders for match support is in progress.
    - The Lake Michigan watershed has been identified as a priority watershed for planning in the FY18 of the Illinois' Nonpoint Source Management Program Section 319 Funding Priorities—5 Year Rotation  
<http://www.epa.illinois.gov/Assets/iepa/water-quality/watershed-management/Priority%20Watersheds%202016.pdf>

**E. Inter-jurisdictional Programs, Projects and Grants Forum – None**

**F. Upcoming Training Opportunities, Meetings, Events**

- i. DRWW General Membership Meeting - Monitoring Program Results, August 2017



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**G. Other Topics for Discussion**

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- iii. For Des Plaines Watershed stakeholders please submit information on your planned and/or projected future water quality improvement projects anticipated during the FY 2017-2028 ([AWarren@lakecountyiil.gov](mailto:AWarren@lakecountyiil.gov)).

**H. Next Meeting**

- i. Next quarterly meeting is September 13, 2017 @ 9-11 a.m. at the Lake County Central Permit Facility.

**I. Adjourn**

- i. Meeting adjourned at 10:30 a.m.



STORMWATER MANAGEMENT COMMISSION

**Municipal Advisory Committee Meeting  
June 14, 2017**

Name & AGENCY/GROUP  
(please print)

EMAIL ADDRESS

1. Fred Vogt City of Rolling Meadows vogt@cityrm.org
2. CARIS WILLIAMS VILLAGE OF LAKE VILLA CWILLIAMS@LAKE-VILLA.ORG
3. Rob Horner City of Rolling Meadows horner@cityrm.org  
Baxter & Woodman - Grayslake, Round Lake
4. John Tierney Lindenhurst, Island Lake, Winthrop Harbor jtierney@baxterwoodman.com
5. MIKE PRUSILA LAKE CO. INC MPRUSILA@LAKECOUNTYIL.GOV
6. Darren Monaco Buffalo Grove dmonico@vbg.org  
CITY OF WAUKEGAN  
frank.borlan@waukegan.il.gov
7. FRANK J. FURLAN ROUND LAKE PARK

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## Name &amp; AGENCY/GROUP

## EMAIL ADDRESS

- |     |                |                                  |                            |
|-----|----------------|----------------------------------|----------------------------|
| 8.  | Chris Bouchard | Beach Park, Green Oaks, Wauconda | cbouchard@rhmg.com         |
| 9.  | Ryan Brick     | Beach Park, Green Oaks, Wauconda | rbrick@rhmg.com            |
| 10. | Marie Hansen   | Village of Barrington            | mhansen@barrington-il.gov  |
| 11. | JEFF HANSEN    | Village of LAKE BLUFF            | JHANSEN@LAKEBLUFF.IL.GOV   |
| 12. | Bill Emmerich  | MUNDEN                           | beamerel@munden.org        |
| 13. | Sharon Osterby | STIC                             | soosterby@lakecountyil.gov |
| 14. | ROBERT ELLS    | LAKE FOREST                      | ellsr@cityoflakeforest.com |
| 15. | Marcy Knysz    | Manhard                          | mknysz@Manhard.com         |
| 16. | Ashley Warren  | SMC                              | awarren@lakecountyil.gov   |
| 17. | Darren Olson   | CBREL                            | dolson@cbrel.com           |
| 18. | Scott Griffith | LCSMC                            | sgriffith@LakeCountyIL.gov |

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Name & AGENCY/GROUP

EMAIL ADDRESS

- |     |   |                              |
|-----|---|------------------------------|
| 19. | Peter Stoehr<br>Lake Zurich Round Lake Beach<br>Lakemoor Volo | pstoehr@manhard.com          |
| 20. | ANNE MARRIN<br>VILL. FOX LAKE                                 | Martina@foxlake.org          |
| 21. | Brian Frank<br>LC P&D   | bfrank@lakecounty.il.gov     |
| 22. | Willy Dittich<br>Lincolnshire                                 | wdittich@lincolnshire.il.gov |
| 23. | Bob Phillip<br>Deerfield                                      | rphillip@deerfield.il.us     |
| 24. | <del>Brian Stubs</del><br>"                                   | BSTUBS@DEERFIELD, IL, US     |
| 25. | Manny Gomez<br>Highland Park                                  | egomez@cityhpiil.com         |
| 26. | Patly Werner<br>SMC   |                              |
| 27. | Scott Firnbach<br>Round Lake Park                             |                              |
| 28. | Tracy Costfield<br>Vernon twp                                 | tgcostfield@vernon.il.us     |
| 29. | Caitlin Burke<br>Gewalt Hamilton                              | cburke@gha-engineers.com     |

Name & AGENCY/GROUP

EMAIL ADDRESS

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30. ERIKA FRABLE U. OF MARYLAND WOODS efrable@umd.edu

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