

# SPLASH MS4 Activity Annual Report



2022

Stormwater Permittees for Local Awareness of  
Stream Health (SPLASH)

1/13/22



# SPLASH MS4 Activity Annual Report

## SPLASH MEMORANDUM OF UNDERSTANDING (MOU)

The Cooperation Agreement signed by SPLASH members outlines an understanding between governmental and quasi-governmental entities within Arapahoe County to coordinate on water quality activities associated with the Colorado Department of Public Health and Environment (CDPHE) Municipal Separate Storm Sewer System (MS4) Permit. MS4 permit holders must implement programs including: Education and Outreach; Illicit Discharge Detection and Elimination (IDDE); Construction Sites; Post-Construction; and Good Housekeeping and Pollution Prevention for Municipal Operations. SPLASH members coordinate efforts to participate in the following activities to leverage resources to help meet individual MS4 permit requirements:

1. Annual outreach activities
2. Annual education materials
3. Annual education activities
4. SPLASH Organization web site
5. Operation manuals, program development, standard operating procedures, and training materials

Although not specified in the MOU, SPLASH members collaborate, as necessary, on the Construction and Post-construction Programs. Each jurisdiction is expected to review the MS4 Permit requirements and individually determine whether the SPLASH collaborative efforts have met their permit requirements or whether additional enhanced activities are necessary to meet permit requirements.

## 2022 SPLASH MEMBERS & LEAD CONTACT

Permittee Members:

1. Arapahoe County: Lisa Knerr
2. City of Cherry Hills Village: Tim Marquez
3. City of Glendale: Carolyn Macek/RESPEC
4. City of Littleton: Carolyn Roan
5. City of Englewood: Chris Edelstein; Tyler Gelles
6. Cherry Creek State Park: Travis McKay
7. Colorado Dept of Transportation: Tripp Minges; Michael Prado
8. Town of Columbine Valley: Jeremy Hayden
9. E-470 Authority: Wanda DeVargas
10. Goldsmith Metro District: Troy Nedved

11. Greenwood Village: Alexis Cook
12. Southeast Metro Stormwater Authority: James Linden

Partners:

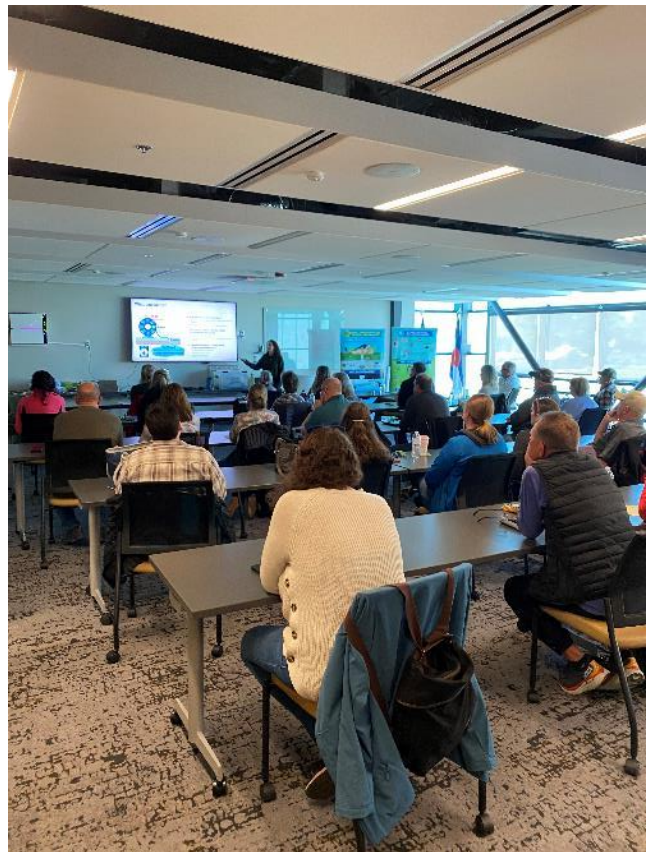
Barr-Milton Watershed Association: Amy Conklin  
Cherry Creek Stewardship Partners: Casey Davenhill  
Tri-County Health: Jennifer Charles

## SPLASH 2022 MEETING DATES

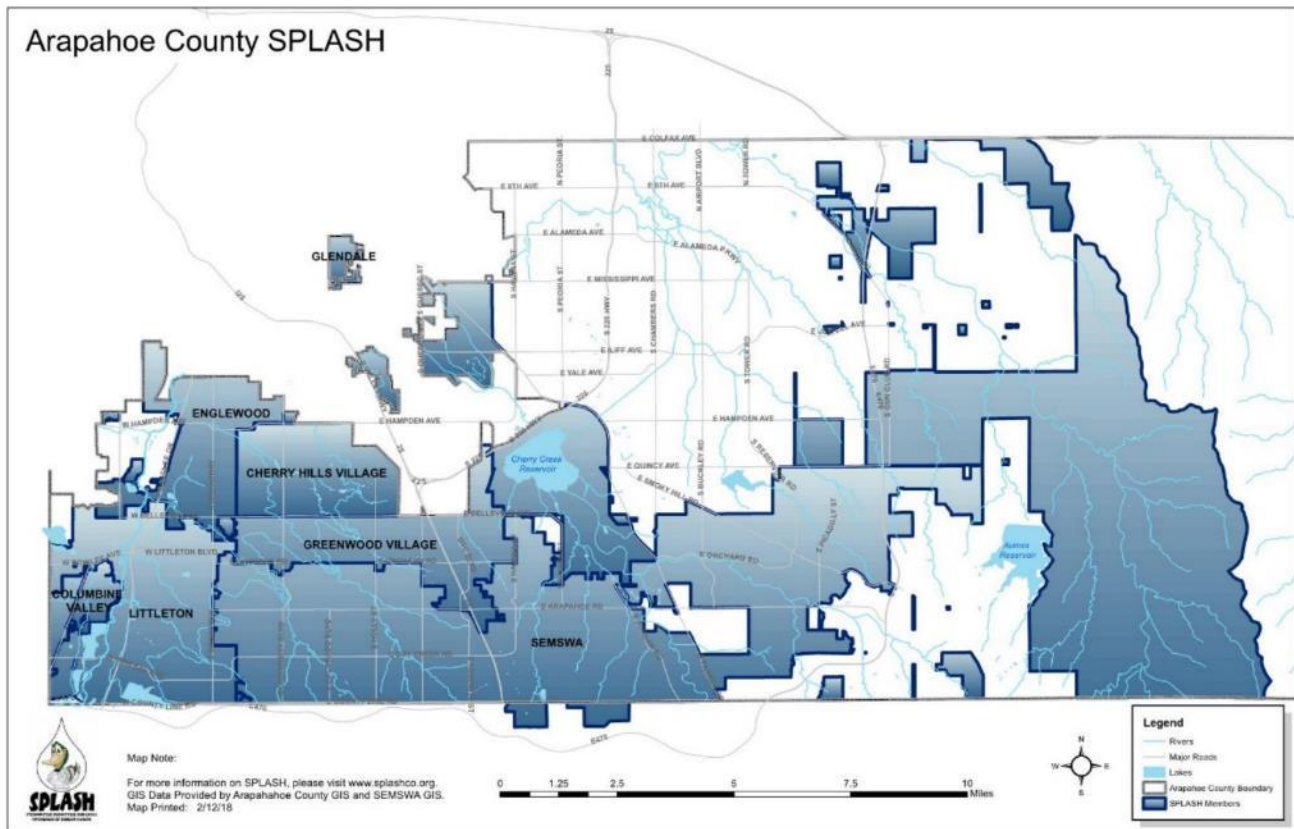
SPLASH meetings are held for members on the following dates in 2021:

January 19	March 16
May 18	July 20
September 21	November 16

Meeting agendas and notes, including the attendees are attached.



Local residents who are committed to water quality and conservation are trained to assemble rain barrels at SPLASH's Rain Barrel Workshop Event at the Greenwood Village Maintenance Facility on October 28<sup>th</sup>, 2022



## SPLASH 2022 ACTIVITIES

In 2022, 17 community outreach events were completed and consisted of:

- Greenwood Village Fishing Derby
- NEW for 2022: STEM School Benjamin Franklin Academy
- Centennial Public Works Day
- Arapahoe County Public Works Day
- Cherry Creek Park Lake Appreciation Day
- Glendale Movie Nights
- Littleton Meet and Greet series
- Arapahoe County Fair
- Walnut Hills National Night Out
- Western Welcome Week
- Touch-a-Truck Event, Arapahoe Parks and Recreation District
- NEW for 2022: Rain Barrel Workshop series
- Continued support of the Highline Canal Conservancy’s Independent Trash Clean-ups along the canal.

Stormwater brochures were made available at SPLASH members’ lobbies, and on the SPLASH

website [www.splashco.org](http://www.splashco.org). Brochures include: Lawn Care, Managing Construction Sites (available in Spanish too), Managing Household Hazardous Wastes, Pollution Prevention, Pet Waste, and Soil Tests How To.

On page 7 of this Annual Report there is a list of outreach materials and promotional items distributed in 2022.

**WEBSITE: [WWW.SPLASHCO.ORG](http://WWW.SPLASHCO.ORG)**

In 2022, The SPLASH organization hired a consultant to assess areas of improvement and make updates to the Square Space website to maximize its effectiveness for education and outreach. The site focuses on actions readers can take to improve water quality including:

- Providing resources to properly dispose of household hazardous waste
- Asking residents to wash vehicles at home and keep vehicles properly maintained to avoid leaks
- Asking residents to report pollution events to their local jurisdiction.

- Educating businesses on proper methods of power washing, landscaping activities, and food waste storage and disposal
- Posting educational material targeted for HOAs and property management companies
- Posting the SPLASH events calendar to promote face-to-face discussions.

### TRAINING COLLABORATION

Local and regional knowledge of training classes on stormwater related topics is continuously shared via meetings and emails amongst SPLASH members. In addition, the following training, known as Lunch & Learn, was coordinated and attended by SPLASH members:

- August 25, 2022: Virtual and in-person presentation of Spill Prevention, Controls, and Countermeasures - Presented by Lisa Knerr, Arapahoe County
  - 10 Attendees – SPLASH members and DC CLEAR members.

SPLASH members also collaborated to employ and distribute Non-standard permit resources to assist permittees with the new permit effective November 1, 2021. A separate version of the Program Description Document was created highlighting the differences between a Standard MS4 Permit and a Non-standard MS4 Permit and was posted on SPLASH’s website at [www.SPLASHCO.org](http://www.SPLASHCO.org)

Each entity took the lead in implementing their respective Illicit Discharge Detection and Elimination (IDDE) Plans. All members had access to resources to meet training requirements, as applicable.

Each entity took the lead in implementing their respective Runoff Control Plans and Standard Operating Procedures for municipal operations. All members had access to resources to meet training requirements, as applicable.

### TARGETED IDDE & NUTRIENT REDUCTION EFFORTS

SPLASH continued its partnership with members of Cherry Creek Stewardship Partners, Barr Lake and Milton Reservoir Watershed Association and Douglas County CLEAR in the outreach efforts to continue reducing nutrient discharges through targeted messaging. The committee determined an education strategy that was likely to obtain a reduction in nutrient discharges.

In 2018, a tri-fold mailer containing an infographic targeting landscaping type activities and their potential to create an illicit discharge and negative nutrient impacts to water quality. A summary of the nutrient outreach campaign from 2018 is found later in this report.

In 2020, a mailer focused on food service industry establishments in Arapahoe County, provided information on proper disposal and maintenance activities of food service personnel. It included important reminders that storm inlets near food service establishments and food trucks must be protected from food waste or trash. A summary of the accomplishments can be found later in this report.

In 2022, website updates were made to the SPLASH website and to the E-470 Sustainability webpage to provide additional resources for online visitors to learn about nutrient reduction. Educational materials include infographics, practical tips for drivers to reduce pollution on the highways, and guides to properly fertilize lawns.

### COLLABORATIVE EFFORTS

SPLASH members worked in partnership with the following organizations:

- Cherry Creek Stewardship Partners
- Barr-Milton Watershed Association
- Tri-County Health
- Douglas County Stormwater Co-op Group (DC CLEAR)
- Cherry Creek Basin Water Quality Authority
- Colorado Stormwater Council
- Colorado Stormwater Training Center

# SPLASH 2022 OPERATIONS & FINANCES

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## Budget

### Revenues:

**2022 Member dues paid: \$11,250.00**  
**Carry over to 2023: \$38,392.00**

### Expenses:

**Total: \$ 7,479.00**

### Member Dues from MOU are as follows:

Small (<10,000):	\$350.00
Medium (10-50,000):	\$750.00
Intermediate (50-100,000):	\$1,500.00
Large (>100,000)	\$2,500.00

### 2022 Member Dues PAID

Goldsmith Metropolitan District	\$350.00
City of Glendale	\$350.00
Columbine Valley	\$350.00
Cherry Hills Village	\$350.00
Cherry Creek State Park	\$350.00
E470 Public Highway Authority	\$750.00
City of Englewood	\$750.00
Greenwood Village	\$750.00
Littleton	\$750.00
Arapahoe County	\$1,500
CDOT	\$2,500
SEMSWA (Centennial)	\$2,500

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**EDUCATION&OUTREACH  
ACCOMPLISHMENTS .....PAGE 6**

**MEETING AGENDAS&NOTES .....PAGE 28**

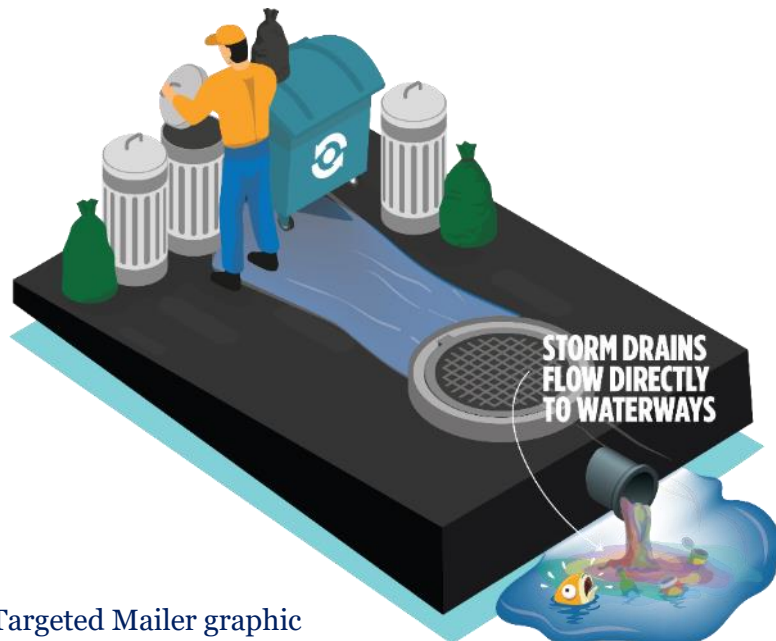
# SPLASH MS4

## Education and Outreach Accomplishments

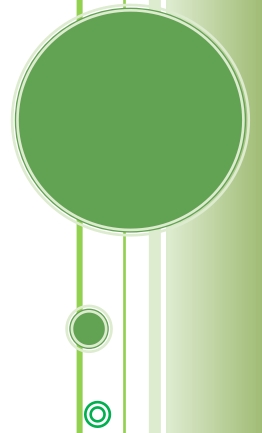
2022



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STORMWATER PERMITTEES FOR LOCAL  
AWARENESS OF STREAM HEALTH



2020 Targeted Mailer graphic



# MATERIALS USED OR DISTRIBUTED FOR MS4 EDUCATION & OUTREACH 2022

2022

## INTERACTIVE DISPLAYS

### **Wheel of Water aka the Water Prize Wheel:**

Spin the wheel, answer a question, and get a prize (promotional items distributed included rubber ducks or dog waste bag cannisters with hang tag. Questions on the Prize Wheel include:

- What's one action you can take to protect water quality in our community?
- Excess nitrogen and phosphorus in stormwater can cause an algae bloom. TRUE or FALSE
- Over applying lawn fertilizers can lead to excess algae growth in streams and lakes. TRUE or FALSE
- Can you name one type of water pollution?
- Stormwater is treated by a wastewater treatment plant. TRUE or FALSE
- Rain water that drains into storm inlets goes directly to the creek. TRUE or FALSE
- What is one action you can take to protect water quality in our community?

### **3D Models such as EnviroScape and Floodplain/Stormwater Simulation**

**SEMSWA Vacuum Truck and/or Camera Van used to maintain MS4.**

## BANNERS/POSTERS/BROCHURES

### **Vertical Banners/Posters (2 copies of each available):**

- *Scoop the Poop, Protect the Water, Why Does it Matter, What you can Do*
- *Green Lawns Don't Have to Equal Green Lakes, Why Does it Matter, What can you Do*

### **Tabletop Brochures:**

- *Fats Oil and Grease*
- *Caring for your Lawn and Garden*
- *Managing your Construction Site*
- *Managing Household Wastes*
- *Scoop the Poop --- Protect the Water (hang tag on dog waste cannister)*

## GIVEAWAYS

**SPLASH Rubber Ducks  
Pet Waste Cannisters**



# SPLASH MS4 Activity Annual Report

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## Greenwood Village Fishing Derby

**Date:** 4/30/22, live in-person outdoor event

**Location:** Tommy Davis Park

**Target Audience:** Families



**Activity & Target Message:** At this recreational fishing event, SPLASH hosted a booth to promote water quality by supplying educational material, giveaways, and interacting with attendants. This event put added focus on how stormwater pollution from pet waste, littering and residential lawn care can negatively impact aquatic life within our local waterways.

**Description:** Arapahoe County SPLASH members hosted a booth to support fishermen and provide educational materials to learn more about daily activities in residential life that can positively or negatively impact aquatic life. Giveaways including brochures, rubber ducks, and pet waste canisters.

A promotional poster for the Greenwood Village Fishing Derby. The poster has a blue background with a yellow border. On the left, there is a circular logo for "FISHING DERBY" with "GREENWOOD VILLAGE" below it, featuring two cartoon children fishing. To the right of this logo, the text reads "Greenwood Village FISHING DERBY" in large, bold, yellow and red letters. Below this, it says "Saturday April 30th". Underneath, there is a list of activities: "7 a.m. Fishing", "8 a.m. Pancake Breakfast", and "8:30 a.m. Rubber Duck Regatta", each preceded by a small fish icon. At the bottom left, it says "Derby Tickets available March 21, 2022", "At: [greenwoodvillage.com/rec](http://greenwoodvillage.com/rec)", and "Tommy Davis Park 9200 E. Orchard Rd". On the bottom right, there is a circular logo for "RUBBER DUCK REGATTA" with "GREENWOOD VILLAGE" below it, featuring a cartoon duck.



# SPLASH MS4 Activity Annual Report

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## STEM School Benjamin Franklin Academy

**Date:** 5/13/22, live in-person indoor event

**Location:** Benjamin Franklin Academy

**Target Audience:** Students, children, and families



**Activity & Target Message:** Interact with students interested in science at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. Topics of discussion included sources of water pollution, how stormwater is conveyed to our waterways, and benefits of nutrient and pollution reduction. Infographics were also set up at the booth for interested parties to learn more about reducing stormwater pollution.

**Description:** Arapahoe County SPLASH members hosted the stormwater booth to provide education and outreach on pollution and nutrient-related issues, and engaging children to learn more about water quality using SPLASH's water prize wheel.



# SPLASH MS4 Activity Annual Report

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## Centennial Public Works Day

**Date:** 5/18/22, live in-person outdoor event

**Location:** Smoky Hill Library

**Target Audience:** Children and Families

**Activity & Target Message:** Interact with families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains and surface flow and the effect of nutrients on these adjacent waterbodies. Additional discussion included the proper application of fertilizers/herbicides/pesticides and disposal of pet waste.

**Description:** SPLASH sponsored a stormwater booth to provide education and outreach on nutrient-related issues including behaviors that create issues.



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STORMWATER PERMITTEES FOR LOCAL  
AWARENESS OF STREAM HEALTH



# SPLASH MS4 Activity Annual Report

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## Arapahoe County Play Date / Public Works Day

**Date:** 6/10/22, live in-person outdoor event

**Location:** Dove Valley Regional Park

**Target Audience:** Children and Families



**Activity & Target Message:** Interact with families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains and surface flow and the effect of nutrients on these adjacent waterbodies. Additional discussion included the proper application of fertilizers/herbicides/pesticides and disposal of pet waste.

**Description:** SPLASH sponsored a stormwater booth to provide education and outreach on nutrient-related issues including behaviors that create issues.



# SPLASH MS4 Activity Annual Report

## Littleton's Meet, Greet and Eat series

**Date:** 6/15/22, 7/13/22, 8/24/22; live in-person outdoor event

**Location:** Sterne Park, then Progress Park, then lastly Ketring Park, City of Littleton

**Target Audience:** Local residents, homeowners, and park users

**Activity & Target Message:** Engage with the public at our outreach booth by handing out brochures, SPLASH rubber ducks, and dog waste bag cannisters. Volunteers at these events highlight everyday actions that residents can take to improve water quality such as picking up dog waste and utilizing household hazardous waste programs. An infographic banner was also on display at the events.

**Description:** Community event for Littleton residents so they can learn more about Littleton's municipal services and provide an opportunity to hear from residents about their interests and concerns. The water quality booth engages residents by answering questions and providing tools and resources to positively impact water quality in their local community.



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**MEET  
GREET  
& EAT!**  
with City Council

# SPLASH MS4 Activity Annual Report

## Cherry Creek State Park Lake Appreciation Day

**Date:** 6/11/22, live in-person outdoor event

**Location:** Cherry Creek State Park

**Target Audience:** Families and park users



**Activity & Target Message:** Interact with families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains and surface flow and the effect of nutrients on these adjacent waterbodies. Additional discussion included the proper application of fertilizers/herbicides/pesticides and disposal of pet waste. Posters were set up at the booth for reference.

**Description:** SPLASH members and Cherry Creek Stewardship Partnership co-hosted the stormwater booth to provide education and outreach on nutrient-related issues including behaviors that create issues.



# SPLASH MS4 Activity Annual Report

## Glendale Movie Madness

**Date:** 6/24, 8/8; live in-person outdoor event

**Location:** Infinity Park, Glendale

**Target Audience:** Families & local residents



**Activity & Target Message:** Interact with families and children at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. Attendants could also learn about hydrology and stormwater runoff by observing our stormwater model exhibit. One-on-one discussion topics included the conveyance of stormwater to local water bodies through untreated storm drains and the ecological impact of eutrophication through increased nutrient levels. Additional discussion included best practices for use of fertilizers, herbicides, pesticides and proper disposal of pet waste.

**Description:** SPLASH sponsored a stormwater booth to provide education and outreach on nutrient-related issues, and the benefits of proper disposal of house waste and pet waste.



### Infinity Park Movie Night: Happy Gilmore

6:30 PM – 10:00 PM

Infinity Park Stadium (map)

Google Calendar · ICS

Join us at Infinity Park for music and a movie. \* Bring a blanket, chairs and come early to get the best seats. \* Free concert featuring Dumm Friends League and free movie, Happy Gilmore. Gates open at 6 pm. Music starts at 6:30 PM. Movie starts at 7:30 pm.

[View Event →](#)



# SPLASH MS4 Activity Annual Report

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## Arapahoe County Fair

**Date:** 7/29- 7/31/2022, live in-person indoor event

**Location:** Arapahoe County Fairgrounds

**Target Audience:** Families



**Activity & Target Message:** Interact with families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains and surface flow and the effect of nutrients on these adjacent waterbodies. Additional discussion included the proper application of fertilizers/herbicides/pesticides and disposal of pet waste.

**Description:** SPLASH sponsored a stormwater booth at this local community event to provide education and outreach on nutrient-related issues including behaviors that create issues. Posters were set up at the booth for reference.



# SPLASH MS4 Activity Annual Report

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## National Night Out in Walnut Hills

**Date:** 8/2/2022, live in-person outdoor event

**Location:** Walnut Hills School Park, Centennial

**Target Audience:** Families, children, students



**Activity & Target Message:** Interact with families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains and surface flow and the effect of nutrients on these adjacent waterbodies. Additional discussion included the proper application of fertilizers/herbicides/pesticides and disposal of pet waste.

**Description:** SPLASH sponsored a stormwater booth at this local community event to provide education and outreach on nutrient-related issues including behaviors that create issues.





# SPLASH MS4 Activity Annual Report

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## Western Welcome Week

**Date:** 8/20/2022, live in-person outdoor event

**Location:** Downtown Littleton

**Target Audience:** Families



**Activity & Target Message:** Interact with families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains and surface flow and the effect of nutrients on these adjacent waterbodies. Additional discussion included the proper application of fertilizers/herbicides/pesticides and disposal of pet waste. Posters were set up at the booth for reference.

**Description:** SPLASH sponsored a stormwater booth to provide education and outreach on nutrient-related issues including behaviors that create issues.



# SPLASH MS4 Activity Annual Report

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## 23<sup>rd</sup> Annual Cherry Creek Watershed Conference

**Date:** 9/23/2022, live in-person indoor and outdoor event

**Location:** SEMSWA, Tagawa Gardens, and various locations within Cherry Creek State Park

**Target Audience:** Stakeholders

**Activity & Target Message:** Hybrid indoor and outdoor conference structured with morning presentation sessions in SEMSWA’s conference area, followed by a bus tour to Tagawa Gardens, SEMSWA’s demonstration garden, and Cherry Creek State Park to examine ongoing practices to improve water quality within the region.

**Description:** Presented by SEMSWA, Cherry Creek Stewardship Partners, and the Cherry Creek Basin Water Quality Authority annually to provide updates on information, research and the latest collaborative efforts to improve water quality in the watershed.



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# SPLASH MS4 Activity Annual Report

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## Touch-a-Truck National Public Works Week Event

**Date:** 10/3/2022, live in-person outdoor event

**Location:** Spring Creek Park, Arapahoe County

**Target Audience:** Children and families

**Activity & Target Message:** Interact with children and families at our stormwater booth using the Water Prize Wheel and distributing rubber ducks and dog waste bag cannisters. Additionally, visitors were also invited to tour the SEMSWA vacuum truck and camera van. One-on-one discussion topics included how stormwater enters local water bodies untreated through storm drains, and how and why pollutants such as sediment must be cleaned from our municipal separate storm sewer system.

**Description:** SPLASH sponsored a stormwater booth at the Touch-A-Truck event to provide education and outreach on the role that Ms4 permittees play in keeping our waterways clean. Kids were invited to tour SEMSWA's camera van and vacuum truck to see up-close how our stormwater conveyances must be maintained, and the efforts that are undertaken to preserve water quality within our community.



# SPLASH MS4 Activity Annual Report

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## Rain Barrel Workshops

**Date:** 10/21/22, 10/28/22

**Location:** Greenwood Village, Colorado

**Target Audience:** Homeowners and gardeners within Arapahoe County

**Activity and Target Message:** SPLASH partnered with the Colorado Stormwater Center, Coca-Cola, Denver Metro Recovery to host a series of Rain Barrel Workshops for residents in Arapahoe County. A training presentation was held at the Greenwood Village Maintenance Facility. While the training provided rain barrel assembly training, the event also put a strong emphasis on the effects of stormwater runoff, imperviousness, and how rain barrels can positively impact both water quality and water conservation efforts in Colorado.

**Description:** . For a \$20 registration fee, residents were able to attend Colorado Stormwater Center’s assembly training and were provided with their own rain barrel and installation kits to be installed at home. The events were advertised on the SPLASH website: [www.splashco.org](http://www.splashco.org). Ongoing initiative to be further developed in 2023.



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# SPLASH MS4 Activity Annual Report

## E-470 Water Quality Campaign

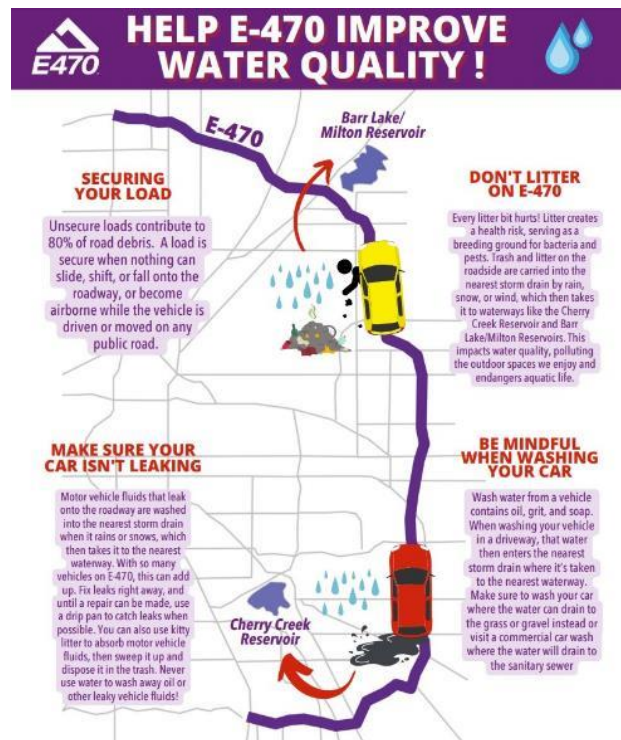
**Date:** Initiated in Fall 2022

**Location:** E-470 website sustainability page: <https://www.e-470.com/our-commitment/sustainability/>

**Target Audience:** Residents in Cherry Creek and Barr-Milton watersheds, E-470 users

**Activity and Target Message:** E-470 initiated an outreach campaign in Fall of 2022 to educate the public about practical ways to improve water quality on the road, and at home. Educational material on the Sustainability page of E-470’s website highlights practices specific to drivers that can help improve water quality such as avoiding littering, preventing vehicles from leaking, washing cars in responsible ways, and adequately securing loads to vehicles.

**Description:** E-470’s website now targets specific pollutant sources that often emerge from highway traffic and provides resources such as infographics and the “E-470 Road Map of Water Quality” (pictured below) to educate drivers.



# SPLASH MS4 Activity Annual Report

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## Phosphorus Free – Lawn Fertilizer Campaign

**Date:** Continuous

**Location:** State-wide, Colorado

**Target Audience:** Residents



**Activity and Target Message:** SPLASH signed on and provided their logo to support this campaign to collaborate on a message to reduce fertilizer use and eliminate the use of phosphorus when not necessary for a healthy lawn or garden. This information has also been posted on the home page of the SPLASH website: [www.splashco.org](http://www.splashco.org).

**Description:** Spearheaded by Barr Milton Watershed Association, this campaign hopes to encourage the reduction in the use of phosphorus and ensure manufacturers are providing products that contain no phosphorus.



### Eliminate Phosphorus

Use Phosphorus-free lawn fertilizers. Sweep up all spills. Keep dirt and debris out of the street. Don't fertilizer near water, before a storm, or frozen ground.



### Healthy Lawns

Follow fertilizer application rates and directions. Get a soils test. Mulch your clippings. Keep soil in place by fixing bare spots.



### Cleaner Water

Reduced nutrients and dirt from getting to downstream waters. Reduce cultural eutrophication symptoms.

# SPLASH MS4 Activity Annual Report

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## Fats Oil and Grease Targeted Sources Outreach – 2020

**Date:** Continuous

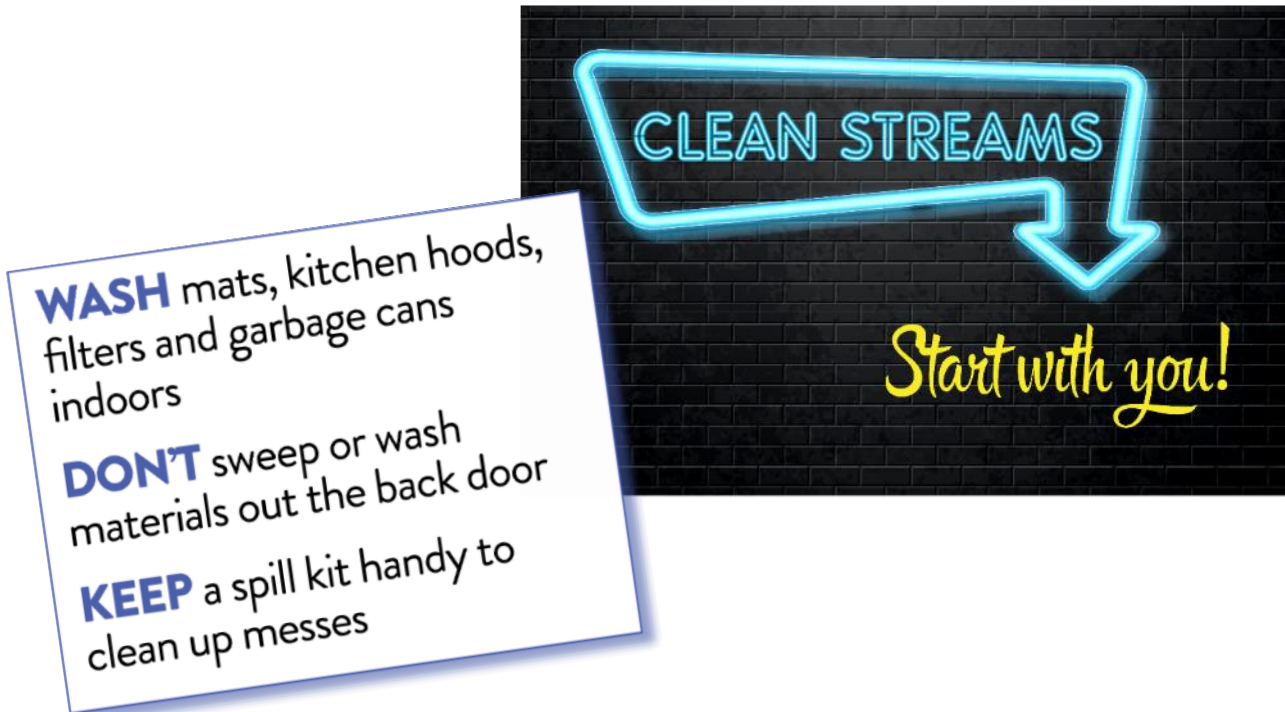
**Location:** Via U.S. Mail throughout Arapahoe County

**Target Audience:** Tri-County Health’s mailing list of Arapahoe County Food Service Establishments mailing list (including caterers and food trucks)



**Activity and Target Message:** A tri-fold targeted mailer *Clean Streams Start With You* contained an infographic targeting 2,400 Arapahoe County food service establishments to remind them that it is illegal for spills and waste from food service facilities to flow into storm drains and their potential nutrient impacts to water quality.

**Description:** Spearheaded by Littleton, SPLASH completed a mailer, webpage graphic and small clipped graphics to provide outreach via mail and websites. Future uses for clipped graphics could be additional targeted flyers, fact sheets and newsletters.







# SPLASH MS4 Activity Annual Report

## Sponsorship of High Line Canal Conservancy's Independent Canal Trash Clean-ups – 2022

**Date:** Year-round

**Location:** Along High Line Canal

**Target Audience:** Canal Users



**Activity and Target Message:** Independent Trash Clean-up Toolkit provides the participants with information on the importance and environmental benefits to water quality when trash is removed from the canal.

<https://highlinecanal.org/independentcleanups/>

**Description:** SPLASH sponsored High Line Canal Conservancy's Independent Trash Clean-up Program that allows residents the flexibility to complete trash clean-ups on the canal on their own schedules. Residents, community organizations and businesses register to join the program. Registered groups receive kits, paid for by the SPLASH sponsorship. Volunteers receive a 23-page pdf document that explains why canal stewards are needed and how their efforts protect our waters. A significant portion is located in Arapahoe County jurisdictions.

As seen on <https://highlinecanal.org/independentcleanups/>:

**HOW TO GET INVOLVED**

1. Review the [Independent Cleanup Toolkit](#) and FAQs and see if this volunteer opportunity is right for you!
2. Select which jurisdiction you would like to do your independent cleanup.

© Arapahoe County

...s and/or Four-Square Mile

...nce per calendar year)

...rvancy (You only need to sign the Volunteer Waiver

...e to provide free bags and gloves to participants if

...nservancy's office before your cleanup by emailing

...s are available for a \$5 deposit per item in cash or

...s are returned in working condition in a timely

...e made at least one week in advance.

...a photo of your cleanup and tag us on social media #Canal

**HELP US REACH 71 CLEANUPS THIS YEAR!**

Interested in joining one of our Community Cleanups? [Click here to sign up for a Community Cleanup.](#)

Independent Cleanups Supported By:

**SPLASH**  
STORMWATER PERMITTEES FOR LOCAL AWARENESS OF STREAM HEALTH

# SPLASH MS4 Activity Annual Report

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## Water Quality Straw

**Date:** Continuous

**Location:** Geneva Lake and Park, Littleton

**Target Audience:** Park Users

**Activity and Target Message:** Art installation to promote water quality awareness with target message “Think about your drink.”

**Description:** The straw has been at this location for two years.



# SPLASH MS4 Activity Annual Report



## Signage and Dog Waste Bag Cannisters and Dispensers

**Date:** Continuous

**Location:** Cherry Creek State Park Dog Off-Leash Area (DOLA)

**Target Audience:** Park Users and their Dogs

**Activity and Target Message:** Large quantity of dog waste bag cannisters provided to Cherry Creek State Park to distribute to park users at their Dog Off-Leash Area to promote proper disposal of dog waste in an impaired watershed. The SPLASH Scoop the Poop, Protect the Water infographic and dog waste bag cannisters are on display in the Park office.

**Description:** CCSP provides more than 1 million dog waste bags to users of the Park. These dog waste bags are made available via dog waste station in the Park, dog waste cannisters with carabiners at the Park office, or dog waste cannisters distributed at events (see earlier entry).



# SPLASH MS4

## Meeting Agendas and Notes



2022

# 2022 AGENDA and MINUTES for SPLASH (Stormwater Permittees for Local Awareness of Stream Health)

January, March, May, June, July, September, and November:

## Meeting Agenda: SPLASH

January 19, 2022 9:30 AM to 11:30 PM at SEMSWA – VIRTUAL

- Introductions/Sign-In; Announcements; Additions to Agenda.
- Approve previous meeting notes.
- Reminder: All future meetings to be virtual until further notice. Following 2022 dates: March 16, May 18, July 20, September 21, November 16. Check your conference schedules in case we need to adjust.
- Budget Discussion. Expenses for 2021:
  - \$20,782.00 expenses in 2021. Largest invoices for the purchase of dog waste bag cannisters (large quantity for several years) and to Amber Williams for the website and CP Compliance to assist us with the non-standard resources.
  - No expenses in December.
  - 2021 membership dues we all paid - \$10,156.
- Permit Compliance Update –
  - i. SPLASH ANNUAL REPORT and documentation for 2021 to be emailed this week.
  - ii. Non-standard Permit – Effective Nov 1, 2021. Current lawsuit filed by CSC was dismissed by the Judge. CSC filed a Notice of Appeal on Nov 12, 2021. Unclear what the approach or next steps will be (as of Dec 8 CSC meeting). New representation with Gabe Racz.
  - iii. Colorado Springs draft MS4 permit public noticed and was open for comments until January 19, 2022.
  - iv. SPLASH Education & Outreach program strategy – I just updated this document. Main discussion for the future is the targeted sources of nutrients that have a significant/substantial contribution. Unless we have a new idea we will continue to focus on fertilizer reduction and proper disposal of pet waste – focused on the general public and landscaping/property management companies.
- Outreach Initiatives  
Phosphorus reduction campaign and SPLASH member involvement – lead Barr Milton Watershed Assoc.



- Reminder to share your logos with Amy Conklin if you are interested in supporting this campaign.
  - **Feb. 22 at 9:30 AM – First Stakeholder Meeting and presentation on Lawn Irrigation Return Flows. Please add to your calendar.**
- a. ANTICIPATED ACTIVITIES in 2022
- Denver Metro Regional Science & Engineering Fair, Feb. 25 and 26, 2022 Coordinated by Cherry Creek Stewardship Partners. SPLASH sponsorship of an award(s)
  - \$1,000 Sponsorship for 2022 Independent Clean-up Tool Kits with High Line Canal Conservancy
  - Any other events for 2022 confirmed?
2. Lunch and Learn Trainings --- (Dani-Ella and Troy)
- Training for 2022 --- Bring me your ideas!  
2022 --- S Metro Fire&Rescue (similar to TriCounty training) IDDE focus

Non-Std Permit Training Dec 6, 2021 with Carrie Powers CP Compliance was a great success!

3. Initiatives Updates (not including community booth events)  
WEBSITE: Dani-Ella to maintain in 2022 and add events as they are scheduled.

BRAINSTORM 2022 Projects for Amber to complete with Wilson Powell, if graphics/layout needed. IDDE hang tag? Golf Course outreach? HOA outreach materials? Property Management Companies? Bus/RTD Light Rail campaign?

Carrie Evenson had LAMAR advertising put together a proposal. Page 33 has prices of a bus campaign that might run along Arapahoe Road for example.

Initiative	LEAD	ASSIST	EFFECTIVENESS
Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing	Dani-Ella	GV and Carolyn	VERY
Basic Updated SPLASH Website & Branding Completed 10/2021	Dani-Ella with Amber Williams	Lisa, Val, Hobbs	TBD – will have analytical tools
Soil Testing and Fertilizer Workshops	Elena, CCSP	Master Gardeners	High – direct contact

Ongoing. Plans for 2022?			
Mailer in 2022 - Nutrients Spring & Restaurants Fall – DISCUSS do we still like this plan???	TBD		Unknown
3D tabletop model (similar to a mini Enviroscope). Completed	Page	Hobbs and Val	Highly effective at community booths, when covid safe
SPLASH COORDINATION	Dani-Ella	Derek & Wanda	
Radio Ads – KUNC and KJAC Continue in 2021?? TBD for 2022	Dani-Ella	Lisa	Unknown

Passive Outreach	Active and Interactive Outreach (pick any two bullets each year)
<ul style="list-style-type: none"> <li>• Bus shelter/bench advertisement</li> <li>• Billboard/dasher board advertisement</li> <li>• Vehicle/bus advertisement</li> <li>• Radio/television/movie theatre advertisement</li> <li>• Newspaper advertisement</li> <li>• Distribute educational materials by brochure</li> <li>• Distribute educational materials by fact sheet</li> <li>• Distribute educational material by utility bill insert</li> <li>• Publish article (hard copy or electronic)</li> <li>• Storm drain marking by permittee staff that maintains 25% of permittee maintained inlets.</li> <li>• Stormwater related signage</li> <li>• Web site</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing advertisement/promotion of a stormwater hotline number or other method to report an illicit discharge</li> <li>• Ongoing advertisement/promotion on how to get more information about the stormwater program</li> <li>• Ongoing social media program</li> <li>• Web site that is interactive or contains stormwater information that includes actions that can be taken to reduce stormwater pollution</li> <li>• Newsletter (hard copy or electronic)</li> <li>• Promotion of existing local stormwater/environmental events or program that help protect water quality</li> <li>• Distribute promotional items or giveaways</li> <li>• Participate in or sponsor a water festival which involves populations that exist within the permit boundary</li> <li>• Participate in or sponsor a waterway clean-up and trash removal event</li> <li>• Participate in or sponsor a service project</li> <li>• Participate in or sponsor a stormwater or environmental presentation</li> <li>• Participate in or sponsor a stormwater or environmental event</li> <li>• Participate in or sponsor community project based programs that investigate watershed health and meet applicable school Science, Technology, Engineering and Math (STEM) standards</li> <li>• Participate in or sponsor a household hazardous waste event</li> <li>• Participate in or sponsor an Adopt-a-Street program</li> <li>• Participate in or sponsor an Adopt-a-Waterway program</li> <li>• Participate in or sponsor an Adopt-a-Storm Drain program</li> <li>• Provide ongoing access to motor vehicle fluids recycling program</li> <li>• Stormwater booth at a community event</li> <li>• Conduct a stormwater survey</li> <li>• Storm drain marking program performed by the public/community</li> <li>• Pet waste stations</li> <li>• Participate in, plan or present stormwater materials to schools</li> <li>• Stormwater demonstration projects that show control measures or other pollutant reduction methods</li> </ul>

4. Partner Updates  
Barr Milton Watershed; Tri-County Health; CC Stewardship Partners
5. Adjourn

Next meeting – March 16, 2022, 9:30 AM



# Meeting Notes: SPLASH



January 19, 2022 at 9:30 AM VIRTUAL TEAMS meeting hosted by SEMSWA

- Introductions/Attendees by Audio

*Dani-Ella Betz (SEMSWA), Val Stanson (CDOT), Troy Nedved (Goldsmith Metro), Alexis Cook (GV), Wanda DeVargas (E470), Lisa Knerr (Arapahoe County), Carolyn Roan and Anthony Young (Littleton), Travis McKay and Claudia (Cherry Creek State Park), Jen Charles (TriCounty Health), and Brianna Federico (Cherry Creek Stewardship Partners). Englewood's Carrie emailed that at the last minute she would be unable to attend.*

- Announcements

*Wanda announced that APWA Colorado Inspector Conference in February.*

- Approve previous meeting notes

*Approved with no corrections.*

- Future Meeting schedule for 2022 was shared again with no edits.

- Budget

*Expenses 2021 --\$20,782.00 expenses in 2021*

*All member dues paid in full.*

*Quick discussion that in 2022 Amber Williams is available to serve as a consultant to work on smaller projects. Members ask to think about what projects they are interested in completing in 2022.*

- Permit Compliance Update

*Dani-Ella to send draft SPLASH MS4 annual report after SPLASH meeting. Members asked to review and email with any corrections needed.*

*Members discussed Non-Standard MS4 permit now effective November 1, 2021. CSC filed an appeal in their interest to remand the Non-Standard Permit. No new updates. including a good reminder for permittees to scrutinize their permit certificates and ensure they are accurate and that they fully understand their responsibilities associated with it.*

*Dani-Ella briefly shared that Arapahoe County's Lisa Knerr and SEMSWA were working on comments to submit regarding the Colorado Springs draft permit that was out for public notice. Members were invited to stay after the meeting ended if they wanted to get a summary of the comments that were going to be submitted. Comments due today.*

*SPLASH Strategy has been updated to reflect the latest updates.*

- Outreach –

- a. Phosphorus Free Campaign: To support the campaign, send your jurisdiction's logo to Amy Conklin with Barr Milton Watershed Association. Join Amy for a stakeholder meeting February 22 at 9:30 am. An example of a bill stuffer was mentioned that supports the phosphorus campaign and is available.
- b. CSC Education & Outreach – We will add to agenda and Lisa or Amy can update the group so that we can dovetail efforts more closely.

- c. Douglas County CLEAR updates to be provided by Dani-Ella or Troy as needed. CLEAR may update their outreach campaign using local publications.
- d. Events Anticipated
  - . February 25 and 26, 2022. Virtual Denver Metro Science Fair.  
Below TBD for 2022 due to COVID:
    - i. Cherry Creek State Park Lake Appreciation Day --- June.
    - ii. Cherry Creek Stewardship Partners and Master Gardeners held Soil Testing Workshops
    - iii. Glendale summer outdoor movie events
    - iv. Arapahoe County summer fair – July.
    - v. Walnut Hills Night Out – August
    - vi. Englewood Celebrates – August
    - vii. Littleton Meet and Greets - summer.
    - viii. Western Welcome Week August
    - ix. Potential plan for Fishing Derby, Dogs Off-Leash Area Cleanups, Public Works Week or school/university-based events.
- e. High Line Canal Conservancy: Dani-Ella to request Invoice for 2022 support of the independent trash clean-up program for \$1,000.
- f. Discussion of hiring a consultant to help us strategize our messaging, message formats to ensure we are reaching our audience the best we are able. Dani-Ella called Wilson Powell (our graphic designer) but did not get a lead. She will call Slate Communications and Boomerang Marketing for recommendations.
- g. CSC/SPLASH radio ads for the S Metro /Arapahoe County area KUNC – TBD for late 2022, if needed.

- Training (Dani-Ella and Troy)

**Lunch&Learns**

*SPRING?*

*Lisa Knerr to discuss the Spill Prevention, Control and Countermeasure Plan and the Federal Program behind it.*

*South Metro Fire & Rescue and possibly the Arapahoe County Sherriff's Office.*

**OUTREACH DISCUSSION:**

*Dani-Ella shared her screen and went over the LAMAR proposal that Carrie from Englewood had requested. There is potential to have bus and billboard ads and the price would include working with a professional to create the message and graphic. Dani-Ella will reach out to Carrie with follow-up questions especially how available is the opportunity during the month(s) we would be interested and more exact costs.*

*Amber available as a consultant to take on more tasks but we will hold off on a decision until we have a specific task decided on.*

Initiative	LEAD	ASSIST
2 tabletop graphics (storm inlet to creek & watershed) for booth	Page	Hobbes and Val
<i>Page completed this in 2021.</i>		

Mailer in 2022? TBD	Nutrient Spring 2022 and Restaurants Fall 2022	
<i>2022 makes sense for a re-mailing. For most recent mailing list for nutrients we can use businesses registered under landscaper category in each jurisdiction.</i>		
Fertilizer Workshops (garden centers/GardenInABox pickup)	CCSP	Master Gardeners
Dependent on COVID restrictions. Anticipated some will be scheduled in 2022.		
SPLASH Website & Branding	Dani-Ella Betz with Amber Williams, consultant	Lisa, Val, Hobbes
<i>Completed. Dani-Ella to update website as needed, especially the events that are confirmed.</i>		
SPLASH COORDINATION	Dani-Ella Betz	Wanda

- Agenda additions – none.
- Partner Updates – No further updates.

Adjourned.

**Next meeting – March 16, 2022 9:30 to 11:30 AM Virtual with SEMSWA hosting.**

# Meeting Agenda: SPLASH

March 16, 2022 9:30 AM to 11:30 PM at SEMSWA – VIRTUAL



- Introductions/Sign-In; Announcements; Additions to Agenda.
- Approve previous meeting notes.
- Reminder: All future meetings to be virtual until further notice. Following 2022 dates: May 18, July 20, September 21, November 16. Check your conference schedules in case we need to adjust.
  - a. QUESTION: Return to in-person meetings at SEMSWA office?
- Budget Discussion. Expenses since last meeting:
  - \$13.96 paid in January for large rubber duck. \$308.75 in rubber ducks for 2022, ordered 3/9.
  - 2022 membership dues paid through end Feb – Glendale, Greenwood Village, Littleton, SEMSWA.
- Permit Compliance Update –
  - i. Annual Reports due in March. Non-standard reporting form still reflects previous permit term.
  - ii. Non-standard Permit – No news. Anyone have an update?
  - iii. Colorado Springs draft MS4 permit Update
  - iv. SPLASH Education & Outreach program strategy – Updated.

FYI from SPLASH 2017 --- Targeted sources of nutrients – 2017 SPLASH Nutrient Committee outcomes:

*The permittee must determine the targeted sources (e.g., residential, industrial, agricultural, or commercial) that are contributing to, or have the potential to contribute, nutrients to the waters receiving the discharge authorized under the MS4 permit.*

Target Source	Contributing item or activity
<b>Residential &amp; Commercial</b>	Fertilizers
<b>Parks/Greenways/Open space</b>	Animal waste (specifically dog)

*Permit required list of activities for nutrients and targeted sources*

Target Nutrient Source	Contributing item or activity	Target Audience	Distribution
<b>Residential &amp; Commercial</b>	Fertilizers	Landscape contractors	Letter and fact sheet/info brochure mailed to business registered

		Homeowners Associations	Letter and fact sheet/info brochure mailed to all in jurisdiction
		Commercial management firms	Letter and fact sheet/info brochure mailed to business registered
		Residential management firms	Letter and fact sheet/info brochure mailed to business registered
<b>Parks/Greenways/ Open space</b>	Animal waste (specifically dog)	Dog owners	Infographic on dog waste displayed in various locations

Some recent info on internet from Nature.com – *Stormwater runoff driven phosphorus transport in urban residential*. 2018

- “likely originated from decomposing plant materials i.e. leaves and grass clippings and eroded soil”
- “management strategies focusing on curtailing both P and N transport would be more effective”

USGS Sources of phosphorus in stormwater urban residential ... 1999 Report 99-4021

[https://stormwater.pca.state.mn.us/images/2/2d/USGS\\_paper\\_sources\\_of\\_phosphorus.pdf](https://stormwater.pca.state.mn.us/images/2/2d/USGS_paper_sources_of_phosphorus.pdf)

“Lawns and streets are the largest sources of total and dissolved phosphorus in the basins (60/40). Their combined contribution was approximately 80 percent, with lawns contributing more than the streets. Streets were the largest source of suspended solids.” (NOTE: No mention of fertilizer use. Monitoring set up in actual lawns.)

CONCLUSION: Unless we have a new idea we will continue to focus on fertilizer reduction (N and P) and proper lawn care and proper disposal of pet waste – focused on the general public and landscaping/property management companies. Distribution method of this information must be determined.

- Outreach Initiatives
  - Phosphorus reduction campaign and SPLASH member involvement – lead Barr Milton Watershed Assoc.
    - Follow-up to BMW Stakeholder Meeting and other updates.
- a. ACTIVITIES in 2022
  - COMPLETED: Denver Metro Regional Science & Engineering Fair, Feb. 25 and 26, 2022  
Coordinated by Cherry Creek Stewardship Partners. SPLASH sponsorship of an award(s)
  - ANTICIPATED now until MAY:
    - Public Works Week May 15-21, 2022? Anyone?
    - State Park DOLA cleanups??
    - CC Stewardship Partners Soil Chemistry Workshops??

d. Littleton Meet Greet and Eat begins May

- DB Sent request for invoice for \$1,000 Sponsorship for 2022 Independent Clean-up Tool Kits with High Line Canal Conservancy
- Any other events for 2022 confirmed?

Lunch and Learn Trainings --- (Dani-Ella and Troy)

- Training for 2022 --- Bring me your ideas!  
2022 --- S Metro Fire&Rescue (similar to TriCounty training) IDDE focus

6. Initiatives Updates (not including community booth events)

WEBSITE: Dani-Ella to maintain in 2022 and add events as they are scheduled.

Carrie Evenson had LAMAR advertising put together a proposal. After discussing we decided it was worth pursuing more information.

Billboards either in South Denver not ArapaCo or Sheridan Hampden Avenue which is in ArapaCo furthest west.

Bus may be more targeted in our county area?

- Bus exterior adverts “KING” or “QUEEN” or “TAIL” sign on side of bus along bus routes on Arapahoe Road, S Broadway and S University Blvd

BRAINSTORM 2022 Projects for Amber to complete with Wilson Powell, if graphics/layout needed. IDDE hang tag? Golf Course outreach? HOA outreach materials? Property Management Companies? Bus/RTD Light Rail campaign?

Initiative	LEAD	ASSIST	EFFECTIVENESS
Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing	Dani-Ella	GV and Carolyn	VERY
Basic Updated SPLASH Website & Branding Completed 10/2021	Dani-Ella with Amber Williams	Lisa, Val, Hobbs	TBD – will have analytical tools
Soil Testing and Fertilizer Workshops Ongoing. Plans for 2022?	Elena, CCSP	Master Gardeners	High – direct contact
Mailer in 2022 - Nutrients Spring & Restaurants Fall –	TBD		Unknown

DISCUSS do we still like this plan???			
3D tabletop model (similar to a mini Enviroscope). Completed	Carolyn from GLENDALE	Hobbs and Val	Highly effective at community booths, when covid safe
SPLASH COORDINATION	Dani-Ella	Derek & Wanda	
Radio Ads – KUNC and KJAC Continue in 2021?? TBD for 2022	Dani-Ella	Lisa	Unknown

TABLE 1 Education and Outreach Activities Table	
Passive Outreach	Active and Interactive Outreach (pick any two bullets each year)
<ul style="list-style-type: none"> <li>• Bus shelter/bench advertisement</li> <li>• Billboard/dasher board advertisement</li> <li>• Vehicle/bus advertisement</li> <li>• Radio/television/movie theatre advertisement</li> <li>• Newspaper advertisement</li> <li>• Distribute educational materials by brochure</li> <li>• Distribute educational materials by fact sheet</li> <li>• Distribute educational material by utility bill insert</li> <li>• Publish article (hard copy or electronic)</li> <li>• Storm drain marking by permittee staff that maintains 25% of permittee maintained inlets.</li> <li>• Stormwater related signage</li> <li>• Web site</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing advertisement/promotion of a stormwater hotline number or other method to report an illicit discharge</li> <li>• Ongoing advertisement/promotion on how to get more information about the stormwater program</li> <li>• Ongoing social media program</li> <li>• Web site that is interactive or contains stormwater information that includes actions that can be taken to reduce stormwater pollution</li> <li>• Newsletter (hard copy or electronic)</li> <li>• Promotion of existing local stormwater/environmental events or program that help protect water quality</li> <li>• Distribute promotional items or giveaways</li> <li>• Participate in or sponsor a water festival which involves populations that exist within the permit boundary</li> <li>• Participate in or sponsor a waterway clean-up and trash removal event</li> <li>• Participate in or sponsor a service project</li> <li>• Participate in or sponsor a stormwater or environmental presentation</li> <li>• Participate in or sponsor a stormwater or environmental event</li> <li>• Participate in or sponsor community project based programs that investigate watershed health and meet applicable school Science, Technology, Engineering and Math (STEM) standards</li> <li>• Participate in or sponsor a household hazardous waste event</li> <li>• Participate in or sponsor an Adopt-a-Street program</li> <li>• Participate in or sponsor an Adopt-a-Waterway program</li> <li>• Participate in or sponsor an Adopt-a-Storm Drain program</li> <li>• Provide ongoing access to motor vehicle fluids recycling program</li> <li>• Stormwater booth at a community event</li> <li>• Conduct a stormwater survey</li> <li>• Storm drain marking program performed by the public/community</li> <li>• Pet waste stations</li> <li>• Participate in, plan or present stormwater materials to schools</li> <li>• Stormwater demonstration projects that show control measures or other pollutant reduction methods</li> </ul>

7. Partner Updates  
Barr Milton Watershed; Tri-County Health; CC Stewardship Partners
8. Adjourn

Next meeting – May 18, 2022, 9:30 AM



# Meeting Notes: SPLASH



March 16, 2022 at 9:30 AM VIRTUAL TEAMS meeting hosted by SEMSWA

- Introductions/Attendees by Audio

*Dani-Ella Betz (SEMSWA), Carrie Evenson (Englewood), Val Stanson (CDOT), Troy Nedved (Goldsmith Metro), Alexis Cook (GV), Wanda DeVargas (E470), Carolyn Macek (Glendale), Carolyn Roan and Anthony Young (Littleton), Travis McKay (Cherry Creek State Park) and Casey Davenhill (Cherry Creek Stewardship Partners).*

*Guest: Chelcee Medina, LAMAR Advertising*

- Approve previous meeting notes

*Approved with no corrections.*

- Future Meeting schedule for 2022 was shared again with no edits.

*Virtual for the time being until SEMSWA staff can be trained on how to conduct a hybrid meeting.*

- Budget

*Expenses 2022: January \$13.96*

*All member dues are now due. Please submit invoices for payment.*

*Quick discussion that in 2022 Amber Williams is available to serve as a consultant to work on smaller projects. Members ask to think about what projects they are interested in completing in 2022.*

- Permit Compliance Update

*Non-standard permit committee (CSC) may be meeting to prepare for November education and outreach deadline for those with Part III obligations. No new update from Colorado Springs MS4 Permit after the public notice rebuttal period.*

*SPLASH Strategy has been updated to reflect the latest updates. Dani-Ella will send it out for everyone's files.*

*SPLASH nutrient committee information from 2017 was shared and may still be an accurate representation of the targeted sources and targeted audience and distribution method. At this time it was decided that proper lawn care and disposal of pet waste focused on the general public, HOA and landscaping/property management companies is still a good approach, but should be refined and decided upon before November 2022 when there is a Non-standard Permit E&O requirement compliance deadline.*

- Outreach –

- a. Phosphorus Free Campaign: Best approach may be to focus on wise use of fertilizers to reduce P and N. It is now understood that the most popular lawn fertilizers are phosphorus free, but new lawn, shrubs and garden bed fertilizers still contain added phosphorus.
- b. CSC Education & Outreach – Discuss that perhaps we would share our bus/billboard campaign.

- c. Douglas County CLEAR updates to be provided by Dani-Ella or Troy as needed. CLEAR may update their outreach campaign using local publications.
- d. Events for 2022
  - . February 25 and 26, 2022. Virtual Denver Metro Science Fair. COMPLETED
  - i. April 30, 2022: GV Fishing Derby
  
  - Below TBD for 2022:
  - ii. Centennial Public Works Week event – date TBD
  - iii. Littleton Meet and Greets – first will be held in May.
  - iv. Cherry Creek State Park Lake Appreciation Day --- June??.
  - v. Cherry Creek Stewardship Partners and Master Gardeners held Soil Testing Workshops
  - vi. Glendale summer outdoor movie events
  - vii. Arapahoe County summer fair – July.
  - viii. Walnut Hills Night Out – early August
  - ix. Englewood Celebrates – late August
  - x. Western Welcome Week August
  - xi. Potential plan for Dogs Off-Leash Area Cleanups, Public Works Week or school/university-based events.
  
- e. High Line Canal Conservancy: Dani-Ella requested Invoice for 2022 support of the independent trash clean-up program for \$1,000.

- Training (Dani-Ella and Troy) –

**Lunch&Learns**

*SPRING?*

*Lisa Knerr to discuss the Spill Prevention, Control and Countermeasure Plan and the Federal Program behind it.*

*South Metro Fire & Rescue and possibly the Arapahoe County Sherriff's Office.*

**OUTREACH DISCUSSION:**

*Carrie from Englewood asked Chelcee from LAMAR Advertising to present a proposal with costs and availability for SPLASH. She suggested April and October would be available for billboards and encouraged a simultaneous bus and billboard ad campaign. Dani-Ella will summarize the costs of various scenarios. LAMAR has a free design professional assist you. They know what colors work and how to get a quick message out. Buses are paneled by “garage” but you can request a more specific route within the garage.*

Initiative	LEAD	ASSIST
2 tabletop graphics (storm inlet to creek & watershed) for booth	Page	Hobbes and Val
<i>Page and Carolyn M. completed this in 2021.</i>		
Mailer in 2022? TBD	Nutrient Spring 2022 and Restaurants Fall 2022	
<i>2022 makes sense for a re-mailing. For most recent mailing list for nutrients we can use businesses registered under landscaper category in each jurisdiction.</i>		

Fertilizer Workshops (garden centers/GardenInABox pickup)	CCSP	Master Gardeners
Dependent on COVID restrictions. Anticipated some will be scheduled in 2022.		
SPLASH Website & Branding	Dani-Ella Betz with Amber Williams, consultant	Lisa, Val, Hobbes
<i>Completed. Dani-Ella to update website as needed, especially the events that are confirmed.</i>		
SPLASH COORDINATION	Dani-Ella Betz	Wanda

- Agenda additions – none.
- Partner Updates – No further updates.

Adjourned.

**Next meeting – May 18, 2022 9:30 to 11:30 AM Virtual with SEMSWA hosting.**

# Meeting Agenda: SPLASH

May 18, 2022 9:30 AM to 11:30 PM at SEMSWA – VIRTUAL



- Introductions/Sign-In; Announcements; Additions to Agenda.
- Approve previous meeting notes.
- Reminder: All future meetings to be virtual until further notice.  
Following 2022 dates: July 20, September 21, and November 16.
- Budget Discussion. Expenses since last meeting:
  - \$308.75 paid for rubber ducks ordered 3/11. Didn't look like enough so more ordered to have enough for all the planned summer events. 3/22 ordered \$197.56 in rubber ducks.
  - \$1,000 High Line Canal trash clean-up sponsorship submitted for processing of payment on 3/31/2022.
  - Balance is \$43,901.
  - 2022 membership dues paid through end April – Glendale, Greenwood Village, Littleton, SEMSWA, Englewood, Arapahoe County, Goldsmith Metro, E470, and Cherry Hills Village.  
Please pay member dues if you have not done so yet.
- Permit Compliance Update –
  - i. Non-standard Permit – CSC's Non-standard Permit committee met(?) in April - (Troy)
    - April 8 CDPHE responded (?) to CSC's opening brief filed March 4. The copy of the brief was not shared with the CSC members as of the end of March meeting.
  - ii. Update on Greeley and Mesa County EPA online audit? See email from 3/31 when it was shared with you for more information.
  - iii. Colorado Springs draft MS4 permit Update – (Lisa)
  - iv. Other permit compliance updates – (Lisa? Anyone?)
  - v. Non-standard Permit Compliance Deadline:  
***Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education – begin education and outreach targeting phosphorus sources. Deadline November 1, 2022***  
Unless we have a new idea we will continue to focus on fertilizer reduction (N and P) and proper lawn care and proper disposal of pet waste – focused on the general public and landscaping/property management companies. Distribution method of this information will continue to be the SPLASH website and community events where we discuss phosphorus reduction when we use the prize wheel as a means to start the conversation.

FYI – determining targeted sources of nutrients and providing education and outreach is due May 1, 2023 – may stick with the same targeted sources but there is still time to continue to assess.

- Outreach Initiatives  
Phosphorus reduction campaign and SPLASH member involvement – lead Barr Milton Watershed Assoc.
  - Follow-up to BMW Stakeholder Meeting and other updates?

a. ACTIVITIES in 2022

- COMPLETED: Denver Metro Regional Science & Engineering Fair, Feb. 25 and 26, 2022  
Coordinated by Cherry Creek Stewardship Partners. SPLASH sponsorship of an award(s)
- ANTICIPATED now until MAY:
  - a. GV Fishing Derby (flyer in file) – April 30.
  - b. Centennial Public Works Day May 18, 2022 (SEMSWA staff)
  - c. Cherry Creek State Park Lake Appreciation Day June 11, 2022 (Travis and Casey)
  - d. CC Stewardship Partners Soil Chemistry Workshops??
  - e. Littleton Meet Greet and Eat begins June. Dates all set.
  - f. Glendale Movie and Music dates all set.
- Any other events and their dates for 2022 confirmed?

Lunch and Learn Trainings --- (SEMSWA and Troy)

- Training for 2022 --- Bring me your ideas!
  - i. SUMMER 2022 Lisa Knerr volunteered to speak on the Spill Prevention, Controls and Countermeasures
  - ii. Potential? S Metro Fire&Rescue (similar to TriCounty training) IDDE focus

9. Initiatives Updates (not including community booth events)

WEBSITE: Amber to maintain in 2022 and add events as they are scheduled.

Carrie Evenson, Englewood has left her position and so the LAMAR advertising bus and billboard campaign has been put on hold.

Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; Rain Barrel/Rain Garden.

Initiative	LEAD	ASSIST	EFFECTIVENESS
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Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing	SEMSWA staff <b>Invoice PAID for 2022</b>	GV and Carolyn	VERY
Basic Updated SPLASH Website & Branding Completed 10/2021	SEMSWA with Amber Williams	Lisa, Val, Hobbs	TBD – will have analytical tools <b>Amber can report out at July meeting??</b>
Soil Testing and Fertilizer Workshops <b>Ongoing. Plans for 2022?</b>	Casey, CCSP	Master Gardeners	High – direct contact
Mailer in 2022 - Nutrients Spring & Restaurants Fall – <b>DISCUSS do we still like this plan???</b>	TBD – hold off??		Unknown
3D tabletop model (similar to a mini Enviroscope). Completed  <b>READY FOR USE IN 2022! Please provide feedback!!</b>	Carolyn from GLENDALE	Hobbs and Val	Highly effective at community booths, when covid safe
SPLASH COORDINATION	SEMSWA with Amber	Derek & Wanda	
Radio Ads – KUNC and KJAC TBD for 2022	SEMSWA	Lisa	Unknown

TABLE 1 Education and Outreach Activities Table	
Passive Outreach	Active and Interactive Outreach (pick any two bullets each year)
<ul style="list-style-type: none"> <li>• Bus shelter/bench advertisement</li> <li>• Billboard/dasher board advertisement</li> <li>• Vehicle/bus advertisement</li> <li>• Radio/television/movie theatre advertisement</li> <li>• Newspaper advertisement</li> <li>• Distribute educational materials by brochure</li> <li>• Distribute educational materials by fact sheet</li> <li>• Distribute educational material by utility bill insert</li> <li>• Publish article (hard copy or electronic)</li> <li>• Storm drain marking by permittee staff that maintains 25% of permittee maintained inlets.</li> <li>• Stormwater related signage</li> <li>• Web site</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing advertisement/promotion of a stormwater hotline number or other method to report an illicit discharge</li> <li>• Ongoing advertisement/promotion on how to get more information about the stormwater program</li> <li>• Ongoing social media program</li> <li>• Web site that is interactive or contains stormwater information that includes actions that can be taken to reduce stormwater pollution</li> <li>• Newsletter (hard copy or electronic)</li> <li>• Promotion of existing local stormwater/environmental events or program that help protect water quality</li> <li>• Distribute promotional items or giveaways</li> <li>• Participate in or sponsor a water festival which involves populations that exist within the permit boundary</li> <li>• Participate in or sponsor a waterway clean-up and trash removal event</li> <li>• Participate in or sponsor a service project</li> <li>• Participate in or sponsor a stormwater or environmental presentation</li> <li>• Participate in or sponsor a stormwater or environmental event</li> <li>• Participate in or sponsor community project based programs that investigate watershed health and meet applicable school Science, Technology, Engineering and Math (STEM) standards</li> <li>• Participate in or sponsor a household hazardous waste event</li> <li>• Participate in or sponsor an Adopt-a-Street program</li> <li>• Participate in or sponsor an Adopt-a-Waterway program</li> <li>• Participate in or sponsor an Adopt-a-Storm Drain program</li> <li>• Provide ongoing access to motor vehicle fluids recycling program</li> <li>• Stormwater booth at a community event</li> <li>• Conduct a stormwater survey</li> <li>• Storm drain marking program performed by the public/community</li> <li>• Pet waste stations</li> <li>• Participate in, plan or present stormwater materials to schools</li> <li>• Stormwater demonstration projects that show control measures or other pollutant reduction methods</li> </ul>

10. Partner Updates

Barr Milton Watershed; Tri-County Health; CC Stewardship Partners

11. Adjourn

Next meeting – July 20, 2022, 9:30 AM

# Meeting Minutes: SPLASH

May 18, 2022

9:30 AM to 11:30 PM at SEMSWA – VIRTUAL

- Introductions/Sign-In; Announcements; Additions to Agenda.

Amber Williams, Anthony Young (Littleton), Lisa Knerr (Arapahoe County), Jeremy Haden (Columbine Valley), Troy Nedved, Wanda DeVargas (E-470), Carolyn Roan (Littleton), Carolyn Macek (Glendale)

- Approve previous meeting notes. – Amber will send out the March meeting minutes to group for approval. Not everyone received email with the Agenda and Meeting Minutes.
- Reminder: All future meetings to be virtual until further notice. Following 2022 dates: June 15, July 20, September 21, and November 16.
- Budget Discussion. Expenses since last meeting:
  - \$308.75 paid for rubber ducks ordered 3/11. Didn't look like enough so more ordered to have enough for all the planned summer events. 3/22 ordered \$197.56 in rubber ducks.
  - \$1,000 High Line Canal trash clean-up sponsorship submitted for processing of payment on 3/31/2022.
  - Balance is \$43,901.
  - 2022 membership dues paid through end April – Glendale, Greenwood Village, Littleton, SEMSWA, Englewood, Arapahoe County, Goldsmith Metro, E470, and Cherry Hills Village.  
Please pay member dues if you have not done so yet.
- Permit Compliance Update –
  - **Permit Updates** - Lisa attended PCC, CORo8000 folks want to compare CORo8000 to CORo77000 and come up with deal breakers, things they can't live with and submit to CDPHE. The hope is that the first draft will be closer to what we want. CDPHE needs feedback. If we don't give feedback, then they are likely to just recycle the CORo7000 permit into the CORo8000 permit. Lisa recommended talking to Ryan Adrian to get involved with PCC.
    - CDPHE – Nathan got a promotion; he's the new Clean Water Program Manager and she is now the new Water Quality Control Division Director. Kelly Morgan replaced Nathan as the Compliance Assistance and Enforcement Section Manager. They need to advertise Kelly's Enforcement Unit Manager Position. Meg Parish is leaving CDPHE. A lot of movement at CDPHE, so Lisa thinks they may not get started on the permit because of that.
    - Colorado Springs draft MS4 permit – haven't heard back. Industrial General Permit. Drafts have gone out and they haven't finalized them yet.



- **Non-Standard Update** - Wanda attended the Non-Standard meeting on April 19. No follow up meeting yet. Wanda wants to know about the nutrient piece from the permit.
- **Non-Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education*** – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022
  - SPLASH can always participate with CSC E&O Committee, could do radio ads for example. Lisa thinks they would kick in some money. Could talk to Amy with Barr-Milton about the phosphorous campaign because they already put that together.
  - Radio ads are with KJAC and KUNC.
  - Group decided we should meet in June.
  - Troy will take the lead on contacting the radio company.
  
  - Lisa was going over the phased plan. MS4's are 1% and 3%. They said 20% reduction. Are we doing monitoring to demonstrate what it is now.? Then we could do modeling to see what it was in 2013 and to show that we've reached 20% reduction.
  - Group decided to invite Amy back to talk about partnering. Amber will invite her to the next meeting
  - Cherry Creek stewardship Partners did fertilizer workshops at Tagawa, so they would be a good one to partner. Need to make sure those messages check off the permit requirements.
  - On radio ads CSC has already created messaging and we can tailor to meet the COR7000 permit.
  - Lisa suggested making sure website is up to date with COR07000 permit.
  - Wanda doesn't think it has to be specific to Barr-Milton.
- Lisa is getting some information on doing a rain barrel workshop.
  - i. Amber will check with Ashley to see if she had sent into the application for Western Week (Aug 20<sup>th</sup>).
  - ii. Arapahoe County Fair is another event
  - iii. Lisa did Douglas County STEM event. Lisa will add to Annual Report.

- E&O Strategy for 2022/2023 – place holder until Dani-Ella's replacement starts

- Outreach Initiatives

Phosphorus reduction campaign and SPLASH member involvement – lead Barr Milton Watershed Assoc.

- Follow-up to BMW Stakeholder Meeting and other updates?

#### ACTIVITIES in 2022

- i. GV Fishing Derby (flyer in file) – April 30. Don't know
- ii. Centennial Public Works Day May 18, 2022 (SEMSWA staff)

#### ANTICIPATED now until MAY:

1. STEM School Benjamin Franklin Academy. 1000 kids from pre-school to 8<sup>th</sup> grade. SPLASH booth.
2. Arapahoe County Play Date – **Arapahoe County Public Works Day: June 10**

3. Cherry Creek State Park Lake Appreciation Day June 11, 2022 (Travis and Casey)
4. CC Stewardship Partners Soil Chemistry Workshops?? – no update
5. Littleton Meet Greet and Eat begins June. Dates all set.
6. **Arapahoe County Fair: July 28-21**
7. Littleton does meet and greets. Usually have SPLASH stuff. Still planning on doing that. She will give us dates.
8. Glendale Movie and Music dates all set. – June 24<sup>th</sup> and August 12<sup>th</sup>. Carolyn will send more info to put on website.

**Lunch and Learn Trainings — (SEMSWA and Troy)**

Training for 2022 --- Bring me your ideas!

- a. SUMMER 2022 Lisa Knerr volunteered to speak on the Spill Prevention, Controls and Countermeasures – got all clear from EPA. Lisa is ready. Amber will check with Ashley about hosting at SEMSWA. To promote send out to CDPHE’s list. We can partner with DC Clear. Let’s get a couple dates from SEMSWA.
- b. Potential? S Metro Fire & Rescue (similar to TriCounty training) IDDE focus – LEPC – Emergency Planning. Dani-Ella was working on this. – Dani-Ella’s replacement will take this over.
- c. Rain Barrel topic – Lisa is looking into this one. More info coming. Steve Blunt from Metro has a bunch of extra rain barrels.
- d. Lisa wanted to know if we wanted to do another giveaway besides ducks because expensive. Like temporary tattoos. Lisa gave away candy. At least for big events.
- e. Ducks came from Oriental trading. Or goodie bag with crayons, etc. Or paper bag with SPLASH and a couple tips and they can use it to put things from other booths. Let’s think of some other ideas and talk about it at the next meeting.

- Initiatives Updates (not including community booth events)

WEBSITE: Amber to maintain in 2022 and add events as they are scheduled.

Carrie Evenson, Englewood has left her position and so the LAMAR advertising bus and billboard campaign has been put on hold.

Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; Rain Barrel/Rain Garden.

Initiative	LEAD	ASSIST	EFFECTIVENESS
Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing	SEMSWA staff <b>Invoice PAID for 2022</b>	GV and Carolyn – will reach out to Canal Conservancy for more info and other reaches.	VERY

Basic Updated SPLASH Website & Branding Completed 10/2021	SEMSWA with Amber Williams	Lisa, Val, Hobbs	TBD – will have analytical tools Amber can report out at July meeting??
Soil Testing and Fertilizer Workshops Ongoing. Plans for 2022?	Casey, CCSP	Master Gardeners	High – direct contact
Mailer in 2022 - Nutrients Spring & Restaurants Fall – DISCUSS do we still like this plan???	TBD – hold off??		Unknown
3D tabletop model (similar to a mini Enviroscene). Completed  <b>READY FOR USE IN 2022! Please provide feedback!!</b>	Carolyn from GLENDALE	Hobbs and Val	Highly effective at community booths, when covid safe
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- Partner Updates  
Barr Milton Watershed; Tri-County Health; CC Stewardship Partners
- Adjourn

Next meeting – June 15, 2022, 9:30 AM

# **Meeting Minutes: SPLASH**

June 15, 2022      9:30 AM to 11:30 PM at SEMSWA – VIRTUAL

- Introductions/Sign-In; Announcements; Additions to Agenda.

Amy Conklin (BMW), Ashley Byerly (SEMSWA), Anthony Young (Littleton), Lisa Knerr (Arapahoe County), Troy Nedved (Goldsmith Metro), Wanda DeVargas (E-470), Carolyn Roan (Littleton), Carolyn Macek (Glendale), Val Stanson, (CDOT), Travis McKay (Cherry Creek State Park), Casey Davenhill (Cherry Creek Stewardship Partners), Alexis Cook (Greenwood Village)

- **Reminder: All future meetings to be virtual until further notice.**

Following 2022 dates: July 20, September 21, and November 16.

- **This was a special meeting called to discuss the Non-Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education*** – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022

. SPLASH invited Amy Conklin with Barr-Milton to discuss ways we might partner to meet this deadline.

- a. Wanda reiterated the permit requirement

### ***.Part III.B.2.a.i***

The permittee must determine the targeted sources (e.g., residential, industrial, agricultural, or commercial) that are contributing to, or have the potential to contribute phosphorus concentrations to state waters at a rate that could result in or threaten to result in an exceedance of the total phosphorus in-lake target of 100 µg/L. Examples of sources that may need to be addressed by the permittee's program include chemical deicing, retailers with outdoor storage of fertilizers, concentrated agricultural activities such as turf farms and landscape plant facilities, and animal feeding operations.

### ***Part III.B.2.a.ii***

The permittee must distribute educational materials to the targeted sources. Educational materials must seek to control a common household source of phosphorus by in the area. This could include materials on the responsible application of fertilizers, materials to encourage the use of phosphorus free fertilizers, materials on responsible pet waste disposal, or materials on the responsible disposal of yard clippings/leaves.

### ***Part III.B.2.a.iii***

Public education activities implemented to meet the requirements in Part I.E.1.a.iii and iv may be used to satisfy requirements in this Part (Part III.B.2.a.i and ii).

**Part III.B.2.a.iv**

Permittees can meet the requirements of this section through contribution to a collaborative program to evaluate, identify, target, and provide outreach that addresses sources state-wide or within the specific region or watershed that includes the receiving waters impacted by the MS4 permittee's discharge

- b. Group discussed possibility of Save Our Streams 1 Lawn at a Time Mailer
- c. Website may already meet the requirement
  - .Asked Amy if Barr Milton links to SPLASH and vice versa
  - i. Amy said she didn't think so because we were no longer members
  - ii. Group discussed and decided that we would again become members and that Barr Milton would become a SPLASH member.
- d. Amy's going to ask if we can be a part of the Barr Milton implementation plan. She does not think we, or individual SPLASH members were called out in the plan.
- e. Amy gave some additional updates on Barr-Milton
  - .The new lake listings are much stricter: 83 to 36
  - i. Amy usually participates in the Arapahoe County Fair with SPLASH. She can bring the Poop Emoji balloon. Amber will send her the information and will coordinate with the group for who can attend when.
  - ii. Lincoln Hills Cares has applied for and received a 319 grant
    - o They can't duplicate MS4 activity
    - o We might be able to support and get some credit
    - o Amy can make the introduction
    - Barr-Milton has been struggling with model as it is not properly calibrated, and it will be expensive to either start over or to fix it.
      - o They are discussing a basin-by-basin approach
      - o A good model will show where we should monitor
    - Amy will be moving away from her role at Barr-Milton on July 21<sup>st</sup> and Sami will step in. Amy will still be supporting Sami as needed.
    - Amy will send Wanda information about inexpensive autoclave water samplers.
- Group further discussed water sampling and modeling
  - Wanda, Troy, and Travis may want to further participate with Barr Milton on where best to sample. Maybe a permit modification
  - Would need to have ducks in a row to modify the permit
  - Lisa had idea of creating a regional sampling group
  - Amy said she would also invite Brad and Alan to start bringing everyone together

- July 28<sup>th</sup> is the BMW Technical Committee Meeting. Amy will send Wanda and Lisa an invitation to that.
  - Will discuss with TAC the potential of a regional group to create targeted sampling and to help BMP refine their model
- BMW has been partnering with CSC on radio ads. Has been robust and as part of the have a billboard with Algae Monster on I-76. The cost was about \$5,000. Another potential is for SPLASH to participate and add a second billboard in the SPLASH boundary.
  - Group didn't think we'd go this direction for now
- E&O Water 2022 collaboration. They may do a Rockies Water Day. SPLASH might be able to put their logo on some of the materials. Amy thought this might be good for the fall. The group really liked this possibility.
- Rain barrel Workshop – Lisa
  - Lisa invited Barr-Milton to participate
  - Group approved 3 workshops and a \$2,500 budget. Lisa will proceed and keep the group up to date
- Val suggested advertising on local podcasts as an alternative to radio ads. We could find local podcasts with local audience. Would help promote the website too.
- Lisa also mentioned the partners are doing their fertilizer workshop at Tagawa Gardens.

- f. Radio ads are with KJAC and KUNC.
  - Cherry Creek stewardship Partners did fertilizer workshops at Tagawa, so they would be a good one to partner. Need to make sure those messages check off the permit requirements.
  - On radio ads CSC has already created messaging and we can tailor to meet the COR7000 permit.
- Lisa is making progress on the rain barrel workshop. Group approved money for workshop. Lisa will keep us posted.

- Adjourn

**Next meeting – July 20th, 2022, 9:30 AM**

# Meeting Minutes: SPLASH

July 20, 2022 9:30 AM to 11:30 PM at SEMSWA –  
VIRTUAL

## 1. Introductions/Sign-In; Announcements; Additions to Agenda.

- James Linden to assume Chair responsibilities from Amber, effective after today's meeting.

## 2. Approve Previous Minutes (March, May, & June)

- March, May, and June minutes were approved by all.

## 3. Reminder: All future meetings to be virtual until further notice.

- Following 2022 dates: September 21, and November 16.

## 4. Budget Discussion

- Balance is \$40,801.73
- Ashley and James will follow-up with members who have yet to pay dues
- Lisa- there may be additional expenses needed to re-stock on miniature ducks

## 5. Permit Compliance Update

- COR07000
  - Non-Standard Meeting Update – Wanda
  - Non-Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education* – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022
    - Regional Sampling Group
    - BMW Meeting
      - SPLASH Members to meet with BMW at the next BMW Board Meeting to discuss in further detail on Tuesday, 7/26 at 9 am
      - Lisa prepared potential talking points for discussion
    - Rain Barrel Workshop
      - Planning meeting to occur next Tuesday, 7/26 at 2:30 pm
    - Amber Coordinating Meeting with Paul Hellmund at El Laboratorio
      - James volunteered to assume this responsibility from Amber.
    - Advertising on local podcasts? – Assign someone to do research?
      - James and Val volunteered to research and present findings on podcast options/pricing to the group via email prior to next meeting
    - E&O Water 2022 collaboration. Rockies Water Day.
      - Include as part of the BMW discussion at 7/26 meeting
    - Radio Ads – tabled for now



- Cherry Creek stewardship Partners fertilizer workshops at Tagawa – partnering opportunity
  - Casey contacted Tagawa and they are not interested in a Phosphorus Free campaign because their approach to Phosphorous is more complex than the campaign allows.
- Phosphorous reduction campaign with Barr Milton
- **COR09000**
  - No updates
- **COR08000**
  - PCC MS4 Permit Renewal-Redline Subcommittee met on 7/15/22 to develop pre-draft comments and prioritize top 10 comments to submit to CDPHE
  - PCC reached out to Mary Welch who provided insight on the Phase II standard renewal:
  - Division plans to provide more information about the stakeholder process at the quarterly meeting
  - Lisa- there will be two sets of pre-draft comments before the public process begins. Lisa spoke with Mary Welch yesterday to confirm that there are no guarantees on pre-draft process

## 6. E&O Strategy

- Water 22 was discussed as an interesting group to collaborate with
  - James plans to attend Water 22 South Metro Denver Water Tour on Wed, 8/3
  - Casey note that Water 22 is more focused on water conservation and water supply than water quality
- Casey noted that the Colorado Water Plan is open for public comment. Casey can provide a link to the group for more information on Water 22 to research and consider commenting on the Water Quality Plan
- Lisa pointed out that a consultant would be useful to come up with E&O Strategy to give our group direction, determine if re-branding is needed or not, and to come up with alternative ideas for outreach events, social media, etc. Lisa noted a consultant may be able to help advise on the effectiveness of advertising at events such as Rockies Water Day
- Casey can send out a survey developed by Corona Insights and Water Quality Control Division that studies the effectiveness of various education and outreach activities
- Ashley suggested SPLASH may benefit from recruiting a consultant later in 2022 to implement in 2023
- Continue brainstorming alternative giveaway options beyond rubber ducks

## 7. Outreach Initiatives

- **Booth Events**
  - **Activities Completed in 2022**
    - GV Fishing Derby (flyer in file) – April 30.
    - STEM School Benjamin Franklin Academy. 1000 kids from pre-school to 8<sup>th</sup> grade. SPLASH booth. May 13 (Lisa Knerr)
    - Centennial Public Works Day May 18, 2022 (SEMSWA staff)

- Arapahoe County Play Date/Arapahoe County Public Works Day: June 10 (Lisa Knerr)
- Cherry Creek State Park Lake Appreciation Day June 11, 2022 (Travis and Casey)
- Glendale Movie Night June 24<sup>th</sup> - Carolyn
- Littleton Meet and Greet (date?)
- **Anticipated 2022 Activities:**
  - CC Stewardship Partners Soil Chemistry Workshops
    - Was there an update from Casey?
  - Arapahoe County Fair: July 29-31 (Troy Nedved-Goldsmith Gulch, Ashley Byerley-SEMSWA, Alexis Cook-Greenwood Village, Lisa Knerr-Arapahoe County, Bryan-E-470, BMW)
  - Lisa- volunteers are filled to help with booths, anyone else is welcome to join!
  - Littleton does meet and greets. Usually have SPLASH stuff. Still planning on doing that. She will give us dates.
  - Glendale Movie and Music dates all set. – 8/12.
  - Western Welcome Week- 8/20
    - Anthony Young: 3 more spots needed for Western Welcome week on August 20th
    - Mini ducks were an absolute hit last year. James or Ashley to evaluate if more miniature ducks are needed
- **Lunch and Learns**
  - SUMMER 2022 Lisa Knerr plans to lead training for Spill Prevention, Controls and Countermeasures
    - Suggested Time: 1 hour total (20-30 minute presentation with lunch served beforehand, and discussion to follow after training is complete)
    - 2 primary pieces of information: inspection report, and EPA-approved SPCC plan
  - Other Potential Lunch and Learns:
    - S Metro Fire & Rescue (similar to TriCounty training) IDDE focus – LEPC – Emergency Planning.
      - James Volunteered to lead training for these groups
      - Lisa- suggested that SPLASH invite DC Clear to Lunch and Learns, they can help plan, coordinate, and they would love to participate
- **Rain Barrel Workshops**
  - Lisa sent out another Teams invite to Rain Barrel committee to plan workshops in further detail (Tuesday, 7/26 at 2:30 pm)
  - We have not been able to connect with breweries yet, maybe just host first three workshops at municipal facilities
  - Casey is coordinating with Tagawa Gardens
  - James and Alexis will continue looking into breweries
- **Cherry Creek Watershed Conference**
  - Casey- SPLASH needs to discuss further what types of credits may be earned by attending the conference. The conference is designed to be a useful training opportunity.
- **Other Initiatives**
  - Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing
    - Lead: SEMSWA staff
    - Assist: GV and Carolyn- will reach out to Canal Conservancy for more info and other reaches.

- Effectiveness: Very
- Basic Updated SPLASH Website & Branding (completed 10/2021)
  - Lead: SEMSWA with Amber Williams
  - Assist: Lisa, Val, Hobbs
  - Effectiveness: TBD, James can evaluate analytical tools and report at September meeting
- Soil Testing and Fertilizer Workshops. (see above. No update)
  - Lead: Casey, CCSP
  - Assist: Master Gardeners
  - Effectiveness: high- direct contact
- Mailer in 2022- Nutrients Spring & Restaurants Fall
  - Lead: TBD- Hold off?
  - Assist:
  - Effectiveness: Unknown
- 3D Tabletop model (similar to a mini enviroscape) (completed)
  - Lead: Carolyn Macek
  - Assist: Hobbs and Val
  - Effectiveness: Highly effective at community booths, when COVID safe
- Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; radio ads; Rain Barrel/Rain Garden.

# Meeting Agenda: SPLASH

September 21, 2022 9:30 AM to 11:30 PM at SEMSWA  
– VIRTUAL

## 6. Introductions/Sign-In; Announcements; Additions to Agenda.

- Have any new members been added? Are any updates needed to our current distribution list?

## 7. Approve Previous Minutes (July)

- Any edits or changes needed?

## 8. Reminder: All future meetings to be virtual until further notice.

- Following 2022 dates: November 16.
- Does the group prefer to continue virtual meetings?

## 9. Budget Discussion

- Balance is **\$40,590.91**.
  - Spigots and kits were ordered for rain barrel workshops, these expenditures will be reflected in next meeting
- Ashley and James will follow-up with members who have yet to pay dues
- More miniature ducks ordered on 8/11. James will order additional ducks next month

## 10. Permit Compliance Update

- COR07000
  - Non-Standard Meeting Update
    - Comments were due to CDPHE by 9/12.
    - SEMSWA and CSC submitted comments
    - Do other members want to provide an update to the group on their comments?
  - Non-Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education* – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022
    - Any updates from Wanda?
  - Regional Sampling Group
  - BMW Meeting
    - SPLASH attended BMW Board Meeting on 7/26
    - Next steps are to meet with BMW and continue discussion of E&O Collaboration. Any updates on our correspondence with BMW?
  - Rain Barrel Workshop
    - First workshop has been postponed to mid-October
    - 30 Spigots and kits for rain barrels have been ordered to SPLASH

- Rain barrels are staged at Arapahoe County Peoria Facility
- Advertising on local podcasts? James to provide update
  - James and Val volunteered to research and present findings on podcast options/pricing to the group via email prior to next meeting
  - CPR is too expensive (\$1,500/month!)
- Radio Ads – tabled for now
- Phosphorous reduction campaign with Barr Milton
- **COR09000**
  - No updates
- **COR08000**
  - PCC MS4 Permit Renewal-Redline Subcommittee met on 9/6/22 to continue development of pre-draft comments. Cherry Creek Permittees are working on pre-draft comments to help facilitate discussions with CDPHE
  - Division plans to provide more information about the stakeholder process at the quarterly meeting

## 8. E&O Strategy

- Thoughts on Corona Insights Water Quality Survey in Colorado?
- Last meeting, group suggested SPLASH may benefit from recruiting a consultant later in 2022 to implement in 2023. Any updates, thoughts regarding using consultants for:
  - E&O strategy
  - re-branding ideas, alternative outreach ideas/events
  - social media and advertising
- Continue brainstorming alternative giveaway options beyond rubber ducks

## 9. Outreach Initiatives

- **Booth Events**
  - **Activities Completed in 2022**
    - GV Fishing Derby (flyer in file) – April 30.
    - STEM School Benjamin Franklin Academy. 1000 kids from pre-school to 8<sup>th</sup> grade. SPLASH booth. May 13 (Lisa Knerr)
    - Centennial Public Works Day May 18, 2022 (SEMSWA staff)
    - Arapahoe County Play Date/Arapahoe County Public Works Day: June 10 (Lisa Knerr)
    - Cherry Creek State Park Lake Appreciation Day June 11, 2022 (Travis and Casey)
    - Glendale Movie Night June 24<sup>th</sup> - Carolyn
    - Littleton Meet and Greets (date?)
    - Arapahoe County Fair: July 29-31
    - Walnut Hills National Night out: August 2<sup>nd</sup>
    - Glendale Movie and Music night 8/12.
    - Western Welcome Week- 8/20
    - Lunch and Learn for Spill Prevention: 8/25
  - **Anticipated 2022 Activities:**
    - Friday, 9/23: Cherry Creek Watershed Conference

- Saturday, 10/1: Touch a Truck Event
  - **Saturday, 10/22: Trunk or Treat at Cherry Creek Event**
  - **October: Rain Barrel Workshops**
  - **Other upcoming SPLASH events?**
    - James will update SPLASH website Calendar after meeting
  - SPLASH Booth volunteers an annual reporting reminder
  - Request to share photos from 2022 events for annual report
  - Littleton does meet and greets. Usually have SPLASH stuff. Still planning on doing that. She will give us dates.
- **Lunch and Learns**
  - Lisa and SEMSWA hosted Lunch and Learn for spill prevention on 8/25
  - Other Potential Lunch and Learns:
    - S Metro Fire & Rescue (similar to TriCounty training) IDDE focus – LEPC – Emergency Planning.
      - James plans to develop future trainings in October, will provide an update at next SPLASH meeting
        - Do other members have ideas for future Lunch and Learn topics?
      - Lisa- suggested that SPLASH invite DC Clear to Lunch and Learns, they can help plan, coordinate, and they would love to participate
- **Rain Barrel Workshops**
  - First workshop postponed until mid-October
  - Spigots and Kits ordered to SEMSWA
  - Rain barrels staged at Arapahoe County Peoria facility
  - Breckenridge Brewing is willing to host rain barrel workshop at their outdoor patio, but do not have Audio/Video, tech capabilities to support outdoor presentation
    - Perhaps Breckenridge Brewing is a good candidate for Spring workshop?
  - Casey is coordinating with Tagawa Gardens- any update?
  - Other updates?
- **Cherry Creek Watershed Conference**
  - This Friday, 9/23 at SEMSWA!
  - Casey- SPLASH needs to discuss further what types of credits may be earned by attending the conference.
- **Other Initiatives**
  - Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing
    - Lead: SEMSWA staff
    - Assist: GV and Carolyn- will reach out to Canal Conservancy for more info and other reaches.
    - Effectiveness: Very
  - Basic Updated SPLASH Website & Branding (completed 10/2021)
    - Lead: SEMSWA
    - Assist: Lisa, Val, Hobbs
    - Effectiveness: TBD, James still needs to evaluate analytical tools
  - Soil Testing and Fertilizer Workshops. (see above. No update)
    - Lead: Casey, CCSP
    - Assist: Master Gardeners
    - Effectiveness: high- direct contact

- Mailer in 2022- Nutrients Spring & Restaurants Fall
  - Lead: TBD- Hold off?
  - Assist:
  - Effectiveness: Unknown
- 3D Tabletop model (similar to a mini enviroscape) (completed)
  - Lead: Carolyn Macek
  - Assist: Hobbs and Val
  - Effectiveness: Highly effective at community booths, when COVID safe
- Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; radio ads; Rain Barrel/Rain Garden.

# Meeting Agenda: SPLASH

September 21, 2022 9:30 AM to 11:30 AM (VIRTUAL)

## 1. Introductions/Sign-In; Announcements; Additions to Agenda.

- Michael Prado, CDOT. Welcome Michael!

## 2. Approve Previous Minutes (July)

- Updated July Minutes will be sent out with September Minutes

## 3. Reminder: All future meetings to be virtual until further notice.

- Following 2022 dates: November 16.
- Group voted to continue with virtual meetings on 9/21/22

## 4. Budget Discussion

- Balance is \$40,590.91.
- Spigots and kits are expected to be delivered to SEMSWA this week, per James's conversation with the seller
- James will order additional ducks next month. These costs will be reflected during the next SPLASH meeting in November

## 5. Permit Compliance Update

- COR070000
  - Non-Standard Meeting Update
    - Comments were due to CDPHE by 9/12.
    - SEMSWA and CSC submitted comments
    - Wanda- E470 submitted comments requesting that non-standard permit reference Reg 72 rather than "cut and paste". This is consistent with Troy's comments
  - Non-Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education* – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022
    - Updates from Wanda:
      - 0. Non-standard's two permit deadlines to meet for Nov 1:
        1. Barr Milton Watershed targeted nutrients education (E-470, is the only SPLASH member required)
        2. Submit a written procedure or IGA to CDPHE regarding overlapping permit areas
      - 1. Lisa shared SEMSWA/Arapahoe County SOPs for overlapping areas with Troy and Wanda
- BMW Meeting
  - SPLASH Members attended BMW Board Meeting on 7/26



- We asked BMW if we can be a partner with them on education and outreach materials
  - Wanda is part of the BMW TAC. Lisa and Wanda plan to attend the next TAC meeting on Thursday, 9/22
  - There may be monitoring requirements coming up with COR080000 permit holders and will collaborate with BMW on monitoring plans
- Rain Barrel Workshop
  - First workshop has been postponed to mid-October
    - 10/21: 2-4pm
    - 10/28: 10am-12pm
  - 30 Spigots and kits for rain barrels have been ordered to SPLASH
  - SEMSWA plans to solidify the payment process this week. On sign-up sheet, ask for preferred language (English vs Spanish)
  - Rain barrels are staged at Arapahoe County Peoria Facility and Greenwood Village
- Advertising on local podcasts?
  - CPR is too expensive (\$1,500/month!)
  - Continue searching for other radio/podcasts that are likely to target our local audience
- Radio Ads
  - CSC is still doing radio ads
    - KUNC and KJAK
- COR090000
  - No updates
- COR080000
  - PCC MS4 Permit Renewal-Redline Subcommittee met on 9/6/22 to continue development of pre-draft comments. Cherry Creek Permittees are working on pre-draft comments to help facilitate discussions with CDPHE
  - Division plans to provide more information about the stakeholder process at the quarterly meeting
    - A new CDPHE permit section manager has been hired and will develop a schedule for the upcoming stakeholder process

## 6. E&O Strategy

- Discussed hiring a consultant later in 2022 to implement in 2023 to help with:
  - E&O strategy
  - re-branding ideas, alternative outreach ideas/events
  - social media and advertising
  - James will research this and report back to group in November meeting
- Continue brainstorming alternative giveaway options beyond rubber ducks:

- Water bottles, electrolyte supplements, miniature nurf bouncy balls with SPLASH logo, carabiners, rain gauges
- Michael also suggested reaching out to higher education campuses (e.g. back to school events at colleges, environmental science clubs at high schools)
- STEM schools need to do community service, they might be able to help with rain barrel workshops or High Line Canal cleanups
  - James will coordinate with El Laboratorio to plan High Line Canal clean ups
- Other Outreach items:
  - James and Lisa asked that SPLASH Members share photos from the 2022 events they hosted to use for annual report
  - Carolyn Roan has been in touch with High Line Canal Conservancy regarding clean ups

## 7. Outreach Initiatives

- **Booth Events**
  - **Activities Completed in 2022**
    - GV Fishing Derby (flyer in file) – April 30. (Alexis Cook, Greenwood Village)
    - STEM School Benjamin Franklin Academy. 1000 kids from pre-school to 8<sup>th</sup> grade. SPLASH booth. May 13 (Lisa Knerr, Arapahoe County)
    - Centennial Public Works Day May 18, 2022 (SEMSWA staff)
    - Arapahoe County Play Date/Arapahoe County Public Works Day: June 10 (Lisa Knerr, Arapahoe County)
    - Cherry Creek State Park Lake Appreciation Day June 11, 2022 (Travis McKay, Cherry Creek State Park and Casey Davenport, Cherry Creek Stewardship Partners)
    - Glendale Movie Night June 24<sup>th</sup> - Carolyn
    - Littleton Meet and Greet (date?)
    - Arapahoe County Fair: July 29-31 (Troy Nedved, Goldsmith Gulch; BMW; e-470; Alexis Cook, Greenwood Village; Ashley Byerly, SEMSWA; Lisa Knerr, Arapahoe County)
    - Walnut Hills National Night out: August 2<sup>nd</sup> (James Linden and Ashley Byerly, SEMSWA)
    - Glendale Movie and Music night 8/12 (Carolyn Macek, RESPEC)
    - Western Welcome Week- 8/20 (Anthony Young, Littleton; Troy Nedved; Goldsmith Gulch; Cherry Hills Village)
    - Lunch and Learn for Spill Prevention: 8/25 (Lisa Knerr, Arapahoe County)
  - **Anticipated 2022 Activities:**
    - Touch a Truck Event: 10/1 (James Linden, SEMSWA)
    - **October: Rain Barrel Workshops (see above for dates)**
    - James to update SPLASH Calendar on website
- **Lunch and Learns**
  - Lisa and SEMSWA hosted Lunch and Learn for spill prevention on 8/25
  - Other Potential Lunch and Learns:
    - S Metro Fire & Rescue (similar to TriCounty training) IDDE focus – LEPC – Emergency Planning.
      - James plans to develop future trainings in October, will provide an update at next SPLASH meeting

- Lisa- suggested that SPLASH invite DC Clear to Lunch and Learns, they can help plan, coordinate, and they would love to participate
- **Rain Barrel Workshops**
  - First workshop postponed until mid-October
  - Spigots and Kits ordered to SEMSWA
  - Rain barrels staged at Arapahoe County Peoria facility
  - Breckenridge Brewing is willing to host rain barrel workshop at their outdoor patio, but do not have Audio/Video, tech capabilities to support outdoor presentation
    - Perhaps Breckenridge Brewing is a good candidate for Spring workshop?
  - Tagawa Gardens is unable to host
  - Other updates?
- **Cherry Creek Watershed Conference**
  - This Friday, 9/23 at SEMSWA!
- **Other Initiatives**
  - Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing
    - Lead: SEMSWA staff
    - Assist: GV and Carolyn- will reach out to Canal Conservancy for more info and other reaches.
    - Effectiveness: Very
  - Basic Updated SPLASH Website & Branding (completed 10/2021)
    - Lead: SEMSWA (James)
    - Assist: Lisa, Val, Hobbs
    - Effectiveness: TBD, James still needs to evaluate analytical tools
  - Soil Testing and Fertilizer Workshops. (see above. No update)
    - Lead: Casey, CCSP
    - Assist: Master Gardeners
    - Effectiveness: high- direct contact
  - Mailer in 2022- Nutrients Spring & Restaurants Fall
    - Lead: TBD- Hold off?
    - Assist:
    - Effectiveness: Unknown
  - 3D Tabletop model (similar to a mini enviroscape) (completed)
    - Lead: Carolyn Macek
    - Assist: Hobbs and Val
    - Effectiveness: Highly effective at community booths, when COVID safe
- Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; radio ads; Rain Barrel/Rain Garden; events at higher education campuses; volunteer activities with STEM students

# Meeting Agenda: SPLASH

November 16<sup>th</sup>, 2022 9:30 AM to 11:30 AM- VIRTUAL

## 6. Introductions/Sign-In; Announcements; Additions to Agenda.

- Welcome Tyler Gelles! City of Englewood Stormwater Program Manager
- Have any additional new members been added? Are any updates needed to our current distribution list?

## 7. Approve Previous Minutes (September)

- Any edits or changes needed to updated September minutes?

## 8. Reminder: All future meetings to be virtual- new Teams invite sent out for 2023.

- No more 2022 SPLASH meetings! Upcoming 2023 Meeting Dates:
  - January 18<sup>th</sup>, March 15<sup>th</sup>, May 17<sup>th</sup>
- SPLASH voted in favor of continuing to meet virtually during September meeting. We can reassess opinions next year

## 9. Budget Discussion

- Balance is \$37,092.40.
  - Almost all recent expenditures have gone toward additional spigots and kits for rain barrel workshops
- No additional rain barrel workshops to occur in 2022, we have proposed additional workshops to take place early next year. Remaining budget will roll over to 2023.
- James followed up with employees who haven't paid 2022 dues. 2023 dues will be sent out at the beginning of the year!
- James purchased more SPLASH ducks on 10/5/22.

## 10. Permit Compliance Update

- COR07000
  - Non-Standard meeting update
    - During the last quarterly CDPHE meeting, Division stated that the draft permit should be by the end of the year
  - Non- Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education* – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022
    - Any updates from Wanda?
      0. Non-standard's two permit deadlines to meet for Nov 1:
        1. Barr Milton Watershed targeted nutrients education (E-470, is the only SPLASH member required)
        2. Submit a written procedure or IGA to CDPHE regarding overlapping permit areas

- BMW Collaboration

**o. Any updates from TAC meeting on 9/22?**

- COR09000
  - During the last quarterly stakeholder meeting with CDPHE, the Division announced that the permit renewal process for COR080000 and COR090000 permits will be delayed to focus on renewing the Construction General (COR40000) permit
  - The quarterly meeting spent a lot of time discussing PFAS, and the Division informed us that upcoming permits will not incorporate numeric Effluent Limitations for PFAS.
- COR08000
  - PCC MS4 Permit Renewal-Redline Subcommittee will meet in December to continue development of pre-draft comments. Cherry Creek Permittees are working on pre-draft comments to help facilitate discussions with CDPHE
  - Similar to COR090000, the Division indicated that the permit renewal process will be delayed to focus on the renewal of Construction General Permit (COR40000)

## 8. E&O Strategy

- Discussed hiring a consultant later in 2022 to implement in 2023 to help with:
  - E&O strategy
  - re-branding ideas, alternative outreach ideas/events
  - social media and advertising
  - James will research this and report back to group in November meeting
- Continue brainstorming alternative giveaway options beyond rubber ducks:
  - Water bottles, electrolyte supplements, miniature nurf bouncy balls with SPLASH logo, carabiners, rain gauges
- Michael also suggested reaching out to higher education campuses (e.g. back to school events at colleges, environmental science clubs at high schools)
- STEM schools need to do community service, they might be able to help with rain barrel workshops or High Line Canal cleanups
- James plans to reach out to El Laboratorio for community service and potential involvement with trash clean-ups

## 9. Outreach Initiatives

- Booth Events
  - **Activities Completed in 2022**
    - GV Fishing Derby (flyer in file) – April 30. (Alexis Cook, Greenwood Village)
    - STEM School Benjamin Franklin Academy. 1000 kids from pre-school to 8<sup>th</sup> grade. SPLASH booth. May 13 (Lisa Knerr, Arapahoe County)
    - Centennial Public Works Day May 18, 2022 (SEMSWA staff)

- Arapahoe County Play Date/Arapahoe County Public Works Day: June 10 (Lisa Knerr)
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- Glendale Movie Night June 24<sup>th</sup> – Carolyn Macek, RESPEC
- Littleton Meet and Greet (date?)
- Arapahoe County Fair: July 29-31 (Troy Nedved, Goldsmith Gulch; BMW; E-470; Alexis Cook, Greenwood Village; Ashley Byerley- SEMSWA; Lisa Knerr, Arapahoe County)
- Walnut Hills National Night out: 8/2 (James Linden and Ashley Byerley, SEMSWA)
- Glendale Movie and Music night 8/12 (Carolyn Macek, RESPEC)
- Western Welcome Week- 8/20 (Anthony Young, Littleton; Troy Nedved, Goldsmith Gulch; Cherry Hills Village)
- Lunch and Learn for Spill Prevention: 8/25 (Lisa Knerr, Arapahoe County; James Linden and Ashley Byerley, SEMSWA)
- Cherry Creek Watershed Conference: 9/23 (Casey Davenport, Cherry Creek Stewardship Partners; James Linden and Ashley Byerley, SEMSWA)
- Touch a Truck Event: 10/1 (James Linden and SEMSWA staff)
- Rain Barrel Workshops: 10/21 & 10/28 (Lisa Knerr, Arapahoe County; Alexis Cook, Greenwood Village; James Linden and Ashley Byerley, SEMSWA)
- **Anticipated 2022 Activities:**
  - Saturday, 10/22: Trunk or Treat at Cherry Creek Event
    - Did we attend?
  - Any other 2022 SPLASH events?
  - 2022 Annual Report Discussion
    - Photos needed! Reminder to share photos from 2022 events for annual report, with a quick description of the event would be appreciated
      - Photos received from Carolyn Roan
    - Consider trimming unnecessary info from the Annual report
- **Anticipated 2023 Activities:**
  - Rain barrel workshops
    - We have ~100 citizens interested in attending a future workshop!
    - We hope to host these in early Spring
    - Help may be needed to obtain and transport rain barrels
    - Online payment is a must
  - Other newly planned or potential 2023 activities?
- **Lunch and Learns**
  - Lisa and SEMSWA hosted Lunch and Learn for spill prevention on 8/25
  - Other Potential Lunch and Learns:
    - S Metro Fire & Rescue (similar to TriCounty training) IDDE focus – LEPC – Emergency Planning.
      - James still plans to develop and plan future trainings, potentially with South Metro
        - Do other members have ideas for future Lunch and Learn topics?
- **Rain Barrel Workshops**
  - First workshops were a huge hit!

- Breckenridge Brewing is willing to host rain barrel workshop at their outdoor patio
  - Perhaps Breckenridge Brewing is a good candidate for Spring workshop
- Other updates?
- **Cherry Creek Watershed Conference**
  - September 23<sup>rd</sup> Conference was held at SEMSWA with an afternoon bus tour
    - The hybrid format of morning lectures followed by afternoon field trip was well-received.
  - CCSP, CCBWQA, and SEMSWA plan to meet in late November to begin planning 2023 conference
- **Other Initiatives**
  - Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing
    - Lead: SEMSWA staff
    - Assist: GV and Carolyn- will reach out to Canal Conservancy for more info and other reaches.
    - Effectiveness: Very
  - Basic Updated SPLASH Website & Branding (completed 10/2021)
    - Lead: SEMSWA
    - Assist: Lisa, Val, Hobbs
    - Effectiveness: TBD, James still needs to evaluate analytical tools
  - Soil Testing and Fertilizer Workshops. (see above. No update)
    - Lead: Casey, CCSP
    - Assist: Master Gardeners
    - Effectiveness: high- direct contact
  - Mailer in 2022- Nutrients Spring & Restaurants Fall
    - Lead: TBD- Hold off?
    - Assist:
    - Effectiveness: Unknown
  - 3D Tabletop model (similar to a mini enviroscape) (completed)
    - Lead: Carolyn Macek
    - Assist: Hobbs and Val
    - Effectiveness: Highly effective at community booths, when COVID safe
- Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; radio ads; Rain Barrel/Rain Garden; events at higher education campuses; volunteer activities with STEM students

# Meeting Agenda: SPLASH

November 16<sup>th</sup>, 2022 9:30 AM to 11:30 AM- VIRTUAL

## 11. Introductions/Sign-In; Announcements; Additions to Agenda.

- Welcome Tyler Gelles! City of Englewood Stormwater Program Manager

## 12. Approve Previous Minutes (September)

- September Minutes approved

## 13. Reminder: All future meetings to be virtual- new Teams invite sent out for 2023.

- No more 2022 SPLASH meetings. Upcoming 2023 Meeting Dates:
  - Tentative 2023 virtual meeting dates: January 18<sup>th</sup>, March 15<sup>th</sup>, May 17<sup>th</sup>
  - A survey link will be sent to SPLASH members to vote on future meeting day and time to determine if another time and day of week is preferred.
- Please note that a separate Teams invite was sent out for 2023 SPLASH Meetings. Lisa will delete the series she created after this meeting adjourns

## 14. Budget Discussion

- Proposed 2023 Budget will be reviewed in January Meeting
- Balance is \$37,092.40.
  - Almost all recent expenditures have gone toward additional spigots and kits for rain barrel workshops
- No additional rain barrel workshops to occur in 2022, we have proposed additional workshops to take place early next year. Remaining budget will roll over to 2023.
- 2023 dues will be sent out at the beginning of the year
- James purchased more SPLASH ducks on 10/5/22.
- CDOT and Columbine Valley still need to pay SPLASH dues!!

## 15. Permit Compliance Update

- COR070000
  - Non-Standard meeting update
    - During the last quarterly CDPHE meeting, Division stated that the draft permit should be by the end of the year
  - Non- Standard Permit Compliance Deadline: *Part III.B.2.a Barr Lake-Milton Reservoir pH and dissolved oxygen TMDL education* – begin education and outreach targeting phosphorous sources. Deadline November 1, 2022
    - Updates from Wanda
      1. Non-standard's met November 1<sup>st</sup> Permit Deadlines:
        1. Barr Milton Watershed targeted nutrients education (E-470, is the only SPLASH member required):



Completed. E470 Sustainability webpage was updated:

1. <https://www.e-470.com/our-commitment/sustainability/>
  2. Submit a written procedure or IGA to CDPHE regarding overlapping permit areas- completed
- BMW Collaboration
  - Updates from BMW TAC meeting on 9/22:
    1. Discussion focused on monitoring requirements. Wanda plans to discuss Water Quality Monitoring requirements with Permit Compliance Committee of Colorado Stormwater Council. There is also opportunity to collaborate with Phase 1 MS4s Joint Task Force. This group takes samples “in-stream” and may be able to help us develop procedures to meet future monitoring requirements
    2. Michael Prado will look into CDOT’s SOPs for monitoring and sampling and update the group at next meeting
  - Part I.E.3.a.viii State or EPA inspection notifications: Begin notification of discrepancies between state or EPA inspections and permittee inspections. Ensure documentation is recorded. Notification in annual report Due March 10, 2024. Begin implementation November 1, 2023 (24 months from effective date)
  - COR090000
    - During the last quarterly stakeholder meeting with CDPHE, the Division announced that the permit renewal process for COR080000 and COR090000 permits will be delayed to focus on renewing the Construction General (COR40000) permit
    - The quarterly meeting spent a lot of time discussing PFAS, and the Division informed us that upcoming permits will not incorporate numeric Effluent Limitations for PFAS.
  - COR080000
    - PCC MS4 Permit Renewal-Redline Subcommittee of CSC will meet in December to continue development of pre-draft comments. Cherry Creek Permittees are working on pre-draft comments to help facilitate discussions with CDPHE
    - Similar to COR090000, the Division indicated that the permit renewal process will be delayed to focus on the renewal of Construction General Permit (COR40000)
    - Per Lisa, due to delayed permit renewal, subcommittee meetings may be suspended to a later date. James and Lisa will update SPLASH in January.

## 10.E&O Strategy

- Discussed hiring a consultant later in 2022 to implement in 2023 to help with:
  - E&O strategy

- re-branding ideas, alternative outreach ideas/events
- social media and advertising
- James will research this and report back to group in January to be included in budget discussion
- Continue brainstorming alternative giveaway options beyond rubber ducks:
  - Water bottles, electrolyte supplements, miniature nurf bouncy balls with SPLASH logo, carabiners, rain gauges, metal straws
  - Keep in mind anything perishable should be bought in low quantities
- Michael also suggested reaching out to higher education campuses (e.g. back to school events at colleges, environmental science clubs at high schools)
  - Auraria Campus does a “Spring Fling” in April that may be able to host education and outreach
  - Environmental Science Club and Sustainability Club at Auraria Campus
- STEM schools need to do community service, they might be able to help with rain barrel workshops or High Line Canal cleanups
- James updates from discussion with Paul Hellmund El Laboratorio
  - Organization with goals to help youth work on meaningful, tangible, and educational programs to improve water quality. They have lots of overlap with our public education and outreach goals
  - Further discussion is required with El Laboratorio to determine how youth are paid (whether by non-profits, or directly). Consider partnering with youth through networking

## 11. Outreach Initiatives

- **Booth Events**
  - **Activities Completed in 2022**
    - GV Fishing Derby (flyer in file) – April 30. (Alexis Cook, Greenwood Village)
    - STEM School Benjamin Franklin Academy. 1000 kids from pre-school to 8<sup>th</sup> grade. SPLASH booth. May 13 (Lisa Knerr, Arapahoe County)
    - Centennial Public Works Day May 18, 2022 (SEMSWA staff)
    - Arapahoe County Play Date/Arapahoe County Public Works Day: June 10 (Lisa Knerr)
    - Cherry Creek State Park Lake Appreciation Day June 11, 2022 (Travis McKay, Cherry Creek State Park and Casey Davenport, Cherry Creek Stewardship Partners)
    - Glendale Movie Night June 24<sup>th</sup> – Carolyn Macek, RESPEC
    - Littleton Meet and Greet (date?)
    - Arapahoe County Fair: July 29-31 (Troy Nedved, Goldsmith Gulch; BMW; E-470; Alexis Cook, Greenwood Village; Ashley Byerley- SEMSWA; Lisa Knerr, Arapahoe County)
    - Walnut Hills National Night out: 8/2 (James Linden and Ashley Byerley, SEMSWA)
    - Glendale Movie and Music night 8/12 (Carolyn Macek, RESPEC)
    - Western Welcome Week- 8/20 (Anthony Young, Littleton; Troy Nedved, Goldsmith Gulch; Cherry Hills Village)

- Lunch and Learn for Spill Prevention: 8/25 (Lisa Knerr, Arapahoe County; James Linden and Ashley Byerley, SEMSWA)
- Cherry Creek Watershed Conference: 9/23 (Casey Davenhill, Cherry Creek Stewardship Partners; James Linden and Ashley Byerley, SEMSWA)
- Touch a Truck Event: 10/1 (James Linden and SEMSWA staff)
- Rain Barrel Workshops: 10/21 & 10/28 (Lisa Knerr, Arapahoe County; Alexis Cook, Greenwood Village; James Linden and Ashley Byerley, SEMSWA)
- **Anticipated 2022 Activities:**
  - No additional SPLASH events
  - 2022 Annual Report Discussion
    - Photos needed! Reminder to share photos from 2022 events for annual report, with a quick description of the event would be appreciated
    - Consider trimming unnecessary info from the Annual report
      - Past initiatives could be trimmed down to a table
      - Include analytics, or any sort of evaluation on attendance at each event
      - Glendale has counts of how many people we talked to
      - E-470 Sustainability Page updates may be added
- **Anticipated 2023 Activities:**
  - Car wash outreach events
  - Earth Day, world water day, lakes month
  - Auraria campus Spring Fling?
  - Rain barrel workshops
  - Other newly planned or potential 2023 activities?
- **Lunch and Learns**
  - Lisa and SEMSWA hosted Lunch and Learn for spill prevention on 8/25
  - Other Potential Lunch and Learns:
    - S Metro Fire & Rescue (similar to TriCounty training) IDDE focus – LEPC – Emergency Planning.
      - James still plans to develop and plan future trainings, potentially with South Metro
        - Do other members have ideas for future Lunch and Learn topics?
- **Rain Barrel Workshops**
  - We have ~100 citizens interested in attending a future workshop!
  - We hope to host these in early Spring
  - **Online payment is a must**
  - Breckenridge Brewing is willing to host rain barrel workshop at their outdoor patio
    - Perhaps Breckenridge Brewing is a good candidate for Spring workshop
  - John with Coca Cola called and has 27 more rain barrels ready for pickup.
    - Storage location(s) available?
      - Approximately 50 barrels can be stored at Greenwood Village Maintenance Facility:
        - 10001 E Costilla Ave, Greenwood Village, CO 80112
      - Additional barrels could be stored at Arapahoe County Peoria Facility:
        - 7600 S Peoria St # M16, Englewood, CO 80112
    - Crews available to transport barrels?
      - Michael will coordinate with

- Cherry Creek Watershed Conference
  - CCSP, CCBWQA, and SEMSWA plan to meet in late November to begin planning 2023 conference
- Other Initiatives
  - Trash Clean-ups with HighLine Canal Conservancy, with additional events via GV and Littleton. Ongoing (HLC is pushing for debris removal rather than trash). Let Carolyn know if you are aware of other reaches that are vulnerable to trash
    - Lead: SEMSWA staff
    - Assist: GV and Carolyn
    - Effectiveness: Very
  - Basic Updated SPLASH Website & Branding (completed 10/2021)
    - Lead: SEMSWA
    - Assist: Lisa, Val, Hobbs
    - Effectiveness: Somewhat. Website traffic is low, but boosted by promotion of Rain Barrel Workshops. Some re-branding and updates to clean up website may be needed
  - Soil Testing and Fertilizer Workshops. (see above. No update)
    - Lead: Casey, CCSP
    - Assist: Master Gardeners
    - Effectiveness: high- direct contact
  - Mailer in 2022- Nutrients Spring & Restaurants Fall
    - Lead: TBD- Hold off?
    - Assist:
    - Effectiveness: Unknown
    - Nutrients mailer needs to be sent out through SPLASH by 11/1/23. This should be discussed and planned early in 2023
  - 3D Tabletop model (similar to a mini enviroscape) (completed)
    - Lead: Carolyn Macek
    - Assist: Hobbs and Val
    - Effectiveness: Highly effective at community booths, when COVID safe
  - IDDE Outreach
- Other ideas as time or opportunity allows: IDDE hang tag; Golf Course outreach; HOA outreach materials; Property Management Companies outreach; Bus/Billboard campaign; radio ads; Rain Barrel/Rain Garden; events at higher education campuses; volunteer activities with STEM students