Message

From: Adair, Jillian [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=31271D1C6F7648DC8418C8FF305499B4-ADAIR, JILL]
Sent: 2/7/2019 4:22:02 PM
To: Bowyer, Dale@Waterboards [Dale.Bowyer@waterboards.ca.gov]
Subject: RE: Trash Control Strategies in San Francisco Bay Area

Hi Dale,

Thanks for getting back to me! I'm sorry to hear that even with the full capture devices, trash is still just as much of a problem as ever. It's good to know about the general preference for large vs. small devices.

Our concern is actually not beaches. The Anacostia River, which is a large tidal river, runs through 2 counties in Maryland and into DC. The river is listed as impaired for trash due to recreation concerns and we're in the process of revising a 2010 trash TMDL for the area. In doing so, we're trying to figure out possible structural control options. As of now, to claim reductions in trash loadings, the jurisdictions generally use BMP approaches such as street sweeping, employing trash collectors in business districts, bag/foam restriction laws, trash clean-up events, and education and outreach, as well as several in-stream trash booms and outfall netting. Although we've heard anecdotally that the Anacostia is much cleaner as compared to 10 years ago, the data is difficult to compare and quite sparse.

The jurisdictions are hesitant about structural devices because we receive so much rain throughout the year and a ton of natural debris in the fall, which may overwhelm the systems. For comparison, I saw estimates online that SF receives 23.6 inches of rain per year over 68 days on average and DC receives 40.8 inches over 115 days. I'm not sure how structural devices used in SF will hold up to the increased precipitation in DC. And I realize that you can't exactly give me that answer (haha), but I'm hoping to learn a bit more about the structural devices and their performance capabilities. Do you happen to know where I can go for this information?

Once again, thank you so much for taking the time out of your day to discuss these issues with me. I really appreciate your expertise.

Jillian Adair
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From: Bowyer, Dale@Waterboards <Dale.Bowyer@waterboards.ca.gov>
Sent: Wednesday, February 06, 2019 6:09 PM
To: Adair, Jillian <adair.jillian@epa.gov>
Subject: RE: Trash Control Strategies in San Francisco Bay Area

Jillian,
While the Permittees of our large MS4 permit are far along in implementation, I don't know that we can say we have dented the overall problem significantly yet. We still see plenty of trash and litter on the banks of creeks and shore of the Bay. Some Permittees are experiencing major problems from homeless encampments and dumping that see endless. The more millions $ that are spent, the more problems appear!

I think there is universal belief that large full trash capture devices that capture large acreages are preferable to inlet connector pipe screen type devices, as the maintenance burden for those is immense. Where are you located? I assume the concern there is beaches. Take a look at this in Socal:

https://cbsloc.al/2WG0YUB#.XFsxRhbhSp4.mailto

Not sure if I am answering your questions. Give me a call or I will try to call you.

From: Adair, Jillian <adair.jillian@epa.gov>
Sent: Wednesday, February 06, 2019 1:08 PM
To: Bowyer, Dale@Waterboards <Dale.Bowyer@waterboards.ca.gov>
Subject: Trash Control Strategies in San Francisco Bay Area

Hello Mr. Bowyer,

I hope I'm reaching out to the right person. I noticed on the California Water Boards website that you are involved in the implementation/enforcement of California's trash policy in the Bay area. I work in the Water Division in EPA Region 3 (the Mid Atlantic). I'm researching potential trash capture technologies for MS4 communities in my area. I saw that the Bay Area has installed a ton of small and large trash capture devices over the last few years and conducted monitoring. If at all possible, I would love to hear about the Bay communities' experiences as well as lessons learned. I wonder if the trash capture devices they have installed to report 70% or greater capture has led to a significant reduction in trash pollution in the local rivers and streams. By chance, would you be able to point me in the right direction?

I realize Phase I and II MS4 communities across the State have to abide by the trash amendments, but the precipitation in southern California is so drastically different than what we experience on the East Coast, I'm afraid to compare apples to oranges. So I'm trying to focus on the Bay area or elsewhere with more rain.

Thank you for your help,

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