

North Bay Watershed Association

Summary of the meeting of the North Bay Watershed Association (NBWA) Board of Directors

Date: July 7, 2017 - Time: 9:30 a.m. -Location: Central Marin Sanitary Agency, Novato

Board Member	Agency	Board Member	Agency
Mike Healy	City of Petaluma	Rick Frites	North Marin Water District
Madolyn Agrimonti	City of Sonoma & Sonoma Valley Co. SD	Pamela Meigs	Ross Valley Sanitary District
Ryan Gregory	Napa Sanitation District	Brant Miller	Novato Sanitary District
Megan Clark	Las Gallinas Valley Sanitary District	Brad Sherwood	Sonoma County Water Agency
Jack Gibson	Marin Municipal Water District	Angela Clapp	Marin Co. Stormwater Pollution Prevention Program
Pam Drew	City of Novato		

Directors present represented 12 of the Association agencies.

1. **Call to Order** – Jack Gibson, Chair calls the meeting to order at 9:39 a.m.
2. **Public Comment** – No public comments were brought forward.
3. **Approval of the Agenda** – The agenda was unanimously approved by the Board.
4. **Approval of Minutes** – The previous Board Meeting’s minutes were unanimously approved.
5. **Treasurer’s Report** – Judy Kelly, NBWA Executive Director reported that as per usual, the NBWA finances are in excellent shape.
6. **Rob Carson, Marin County Stormwater Pollution Prevention [MCSTOPP] - Overview of the Marin County Stormwater Resource Plan.** Rob stated that the plan was developed to satisfy requirements for grant funding from several programs and will be used for watershed resource planning and to identify project opportunities with multiple benefits. Objectives are to compile information about the county watersheds, meet state planning requirements, create a site list for Marin jurisdictions based on metric-based methods, and develop one concept project for each municipality and engage the community in the planning effort. Rob described the four categories of projects: those planned by an agency; green streets; regional; and parcel based. Regional projects must be bigger than .5 acres. Each MCSTOPP agency has identified one project they are thinking of doing and starting to quantify the effect of the associated Best Management Practices. The Final version of Plan is set to be ready for the spring 2018 Prop 1 solicitation. When the Draft becomes available, MCSTOPP will send notice to NBWA for review and any comment. The question was asked, if a project is not already in the plan, is it out of consideration? Rob replied that frequent plan updates are anticipated. See the NBWA website for a link to Rob’s full presentation.
7. **Jason Dow, General Manager Central Marin Sanitation Agency. Jason Dow, General Manager** Jason provided an overview of the Agency which was began operation in 1985; about 87% of the cost was paid by EPA and state grants. CMSA serves a population of approximately 105,000 people in central Marin County, including San Quentin. The Agency has

an \$11.4 M budget and treats 7-116 million gallons a day [mgd]. Since the collection system and some lateral lines are old, during rain events the plant can get a lot of rainwater and groundwater in the system. The Agency also regulates about 500 businesses in the area under its authority and as required by regulatory agencies. The plant's outfall goes into deep water in the bay's shipping channel. Jason reviewed the water-cleaning process inside the plant: 1) Head-works; screens for wood, plastic, etc. Trash gets pushed out and then landfilled, and the water then flows into grit tanks that act as a vortex separator. Material that makes it through the two screens (grit, sand, etc) gets removed here. After this preliminary treatment, the water goes into primary clarifiers where gravity then works to cause particles heavier than water to settle out while grease and soap floats to top and skimmers take out this top material. For most places in the U.S. this is the end of what is considered primary treatment. However, here the water moves into secondary treatment where microorganisms consume additional unwanted dissolved material in the water. This is done inside bio-towers. Then the water moves into aeration tanks where the process of conversion takes place, going from dissolved material to bigger microbes that are more easily settled out. Secondary settlement is then used to remove the remaining microbes. This produces pretty clean water. Next comes the disinfection process - there are lots of ways to do this, but this plant uses chlorine injection. Then the water is de-chlorinated, all of which is considered advanced secondary treatment. As part of each 5-year permit for the outfall, the Agency must meet current measures for suspended solids and BOD. While clean, the water is too salty now to use for landscape reuse with up to 1,000 chlorides (salts). Jason noted that with its biogas generation, the plant is almost energy efficient and the Agency plans to soon sell excess power.

There was a question about pharmaceuticals. Marin has passed an ordinance on the take back issue. Every drug store in county now has a take back. The bigger issue is what drugs pass through us and into the water. The Board and guests then took a tour of the plant.

Items of Interest – Pam Meigs asked about obtaining information regarding the status of reservoir levels in California. Judy Kelly replied she would look into sending additional information out regarding the subject.

Items for Next Agenda

Petaluma River historic hydrology study – Sonoma RCD/SDEI staff

SUBJECT TO BOARD APPROVAL

Submitted by: Judy Kelly, Executive Director

Next Meeting Information: September 8, 2017 –Novato Sanitary District, 500 Davidson, Novato, CA 94945