

Central Services
Joan Araujo, Director

Engineering Services
Christopher Cooper, Director

Roads & Transportation
Christopher Kurgan, Director

Water & Sanitation
Joseph Pope, Director

Watershed Protection
Glenn Shephard, Director

September 14, 2021

Board of Supervisors, County of Ventura
Board of Supervisors, Ventura County Watershed Protection District
800 South Victoria Avenue
Ventura, CA 93009

Subject: **Approval of, and Authorizations for the Director of Public Works Agency, or Designee, and the Director of Ventura County Watershed Protection District, or Designee, to Sign an Amendment to the Memorandum of Agreement for Equal Cost Sharing to Fund Harbor Beaches of Ventura County Bacteria TMDL Special Studies and Compliance Actions. Project Nos. P6040528 and P6010279; Watershed Protection District Zone 2; Supervisorial District No. 5.**

Recommendations:

It is recommended that your Boards:

1. Approve the proposed Amendment to the Memorandum of Agreement (MOA) Among City of Oxnard, County of Ventura, and Ventura County Watershed Protection District (Parties) to Provide Equal Cost Sharing for Harbor Beaches of Ventura County (Kiddie and Hobie Beaches) Bacteria Total Maximum Daily Load (TMDL) Special Studies and Compliance Actions (Exhibit 1).
2. Authorize the Director of Public Works Agency, or designee, to execute the Amendment on behalf of the County of Ventura (County), Project No. P6040528.
3. Authorize the Director of Ventura County Watershed Protection District, or designee, to execute the Amendment on behalf of the Ventura County Watershed Protection District (District), Project No. P6010279.

Fiscal/Mandates Impact:

Mandatory:

Cite Authority:

Yes

Section 303 (d) of the Clean Water Act and State of California, California Regional Water Quality Control Board, Los Angeles Region (Regional Board) Order No. R4-2021-0105, NPDES Municipal Stormwater permit No. CAS004004



Source of Funding: County Stormwater Program (Fund S130) -\$71,288.54, District Zone 2 (Fund S720) -\$71,288.54, City of Oxnard - - \$71,288.54
Funding Match Required: None
Impact on Other Department(s): None

County of Ventura – Stormwater Program

Summary of Revenue and Total Costs

	<u>FY 2021-22</u>	<u>FY 2022-23</u>
Revenue:	\$128,977	\$13,600
Costs:		
Direct	\$193,466	\$20,400
Indirect – Agency/Department	\$ 0	\$ 0
Indirect – CAP	\$ 0	\$ 0
Total Costs:	\$193,466	\$20,400
Net County Costs, including indirect	\$ 64,489	\$ 6,800
Recovered Indirect Costs	\$ 0	\$ 0

Current FY 2021-22 Budget Projections for County Stormwater Program – Unit 4095

	Adopted Budget	Adjusted Budget	Projected Budget	Estimated Savings/(Deficit)
Appropriations	\$2,073,900	\$2,073,900	\$2,073,900	\$0
Revenue	\$1,695,700	\$1,695,700	\$1,695,700	\$0
Net Cost	\$ 378,200	\$ 378,200	\$ 378,200	\$0

Sufficient appropriations and revenue are available in the FY 2021-22 Adopted Budget and will be included in FY 2022-23, as appropriate.

Ventura County Watershed Protection District

Summary of Revenue and Total Costs

	<u>FY 2021-22</u>	<u>FY 2022-23</u>
Revenue:	\$ 0	\$ 0
Costs:		
Direct	\$64,489	\$6,800
Indirect – Agency/Department	\$ 0	\$ 0
Indirect – CAP	\$ 0	\$ 0
Total Costs:	\$64,489	\$6,800
Net County Costs, including indirect	\$64,489	\$6,800
Recovered Indirect Costs	\$ 0	\$ 0



Current FY 2021-22 Budget Projections for Watershed Protection Zone 2 – Unit 4222				
	Adopted Budget	Adjusted Budget	Projected Budget	Estimated Savings/(Deficit)
Appropriations	\$1,080,400	\$1,080,400	\$1,080,400	\$0
Revenue	\$1,145,000	\$1,145,000	\$1,145,000	\$0
Net Cost	\$ (64,600)	\$ (64,600)	\$ (64,600)	\$0

Sufficient appropriations are available in the FY 2021-22 Adopted Budget and will be included in FY 2022-23, as appropriate.

Discussion:

Pursuant to the Federal Clean Water Act, the Los Angeles Regional Water Quality Control Board (LARWQCB), on November 1, 2007, established Total Maximum Daily Load (TMDL) for Bacteria Indicators in Kiddie and Hobie Beaches. Exhibit 2 shows the Vicinity Map and Exhibit 3 shows the Location Map. The County of Ventura (County), City of Oxnard (City) and Ventura County Watershed Protection District (District) are identified among the responsible parties under this TMDL. The LARWQCB required the responsible parties to achieve Waste Load Allocations (WLAs) for wet weather as established by Resolution No. 2007-017 by December 18, 2018.

On June 19, 2018, your Board approved the MOA among the County, the City, and the District (MOA Parties) to provide equal cost-sharing for Harbor Beaches of Ventura County (Kiddie and Hobie Beaches) Bacteria TMDL Special Studies and Compliance Actions. The MOA Parties have funded two separate studies under an agreement with the Southern California Coastal Water Research Project (SCCWRP).

Between January 2018 and March 2018, SCCWRP, in collaboration with California State University Channel Islands, collected water samples during TMDL-defined wet weather days, i.e., during rainfall of 0.1 inches or greater and within 72 hours after completion of the eligible storm event, on-shore (along Kiddie and Hobie Beaches) and off-shore, including the outfall of District's San Nicholas Pump Station (SNPS). Water quality samples were collected during 20 wet weather days of eligible storm events with rainfall measured between 0.49 inches and 2.53 inches for TMDL bacteria indicators and human markers. The results indicated that moderate to high levels of bacteria and human marker contamination were ubiquitous and persistent both on-shore and off-shore following storm events. Sampling results did not show a noticeable gradient between the shoreline and directly offshore of the beach, and the temporal pattern suggested both local and remote sources were potential contributors to contamination. High levels of human marker in the SNPS outfall suggested it was a point source of Kiddie Beach contamination during storm



events and wet weather. However, concentrations were not high enough to explain levels observed in across the beaches; instead, exfiltration of contaminated groundwater possibly may be a significant source.

After data review and evaluation, SCCWRP proposed to investigate the bacteria and human marker levels in the storm drains feeding into SNPS. SCCWRP collected water quality samples during dry weather monitoring events in March and April 2019 and wet weather monitoring events in December 2019 and March 2020. Bacteria indicators were high in almost all sampled storm drain locations. Human markers were elevated in at least one sample in 90% of the sampled storm drain locations. Chemical indicators of sewage showed presence of short-lived ibuprofen in all sampled storm drain locations. The study did not identify any hot spots in the storm drain system but confirmed biological and chemical markers of human sewage present in the storm drain system. County Stormwater Program staff completed CCTV video of the storm drain to show some imperfections, but no cross connections with the sanitary sewers. Sewage contaminated groundwater was concluded to be suspected as the transport vehicle of bacterial contamination at Kiddie Beach.

Based on the study results, the next step is to evaluate the bacteria and human marker contamination of groundwater near Kiddie and Hobie Beaches as determined by collecting water quality samples from six temporary wells located along the beaches. The total cost of the proposed groundwater special study is estimated at a not-to-exceed amount of \$372,300, including a two percent administration fee for the Lead Agency. The proposed MOA (Exhibit 1) among the County, the City, and the District commits each MOA party to make equal funding contributions for the special study of up to \$124,100.00 using a MOA fund balance of \$52,811.43 per party and a total additional contribution of \$71,288.54 per party during Fiscal Years 2022 and 2023. The MOA Parties approached Channel Islands Beach Community Special District (CIBCSD), the operator of the sewer system in the drainage area, about joining the MOA for groundwater special studies. The leaking sewer system may be source of groundwater contamination as determined in other studies by SCCWRP completed in other regions of Southern California. CIBCSD offered to contribute \$20,000 to the estimated total groundwater special study costs, per the Cost Sharing Distribution and Payment Schedule in Exhibit 1. County staff will administer the contract. The County has agreed to act as the Lead Agency with fiscal responsibilities during the term of this MOA (July 1, 2021-December 31, 2022).

Today we seek your Boards' approval to execute the proposed Amendment to the MOA on behalf of the County and the District to provide for equal cost share of the groundwater quality special study.



This letter has been reviewed and approved by the County Executive Office, the Auditor-Controller's Office, and County Counsel.

If you have any questions regarding this item, please call Ewelina Mutkowska, Senior Stormwater Manager, at (805) 645-1382.

Sincerely,



Jeff Pratt, P.E.
Director

Attachments:

- Exhibit 1: Amendment to Memorandum of Agreement (MOA) regarding the commitment to provide equal cost sharing for Harbor Beaches of Ventura County (Kiddie and Hobie Beaches) Bacteria Total Maximum Daily Load (TMDL) Special Studies and Compliance Actions.
- Exhibit 2: Kiddie Beach Vicinity Map
- Exhibit 3: Kiddie Beach Location Map

