

TUOLUMNE CITY SANITARY DISTRICT

TCSD
18050 BOX FACTORY ROAD
TUOLUMNE, CA 95379

REGULAR MEETING STAFF REPORT MAY 4, 2022

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To: Board of Directors
From: Dave Andres, General Manager
Subject: Contract for pH Study – Carollo Engineers
Date: April 27, 2022

Agenda Item: III (d)

Background: The District is periodically experiencing high pH levels at Grinding Rock reservoir. In water chemistry pH is a scale used to specify the acidity or basicity of an aqueous solution which a value of 7 represents neutrality and lower numbers indicate increasing acidity and higher numbers increasing alkalinity and on which each unit of change represents a tenfold change in acidity or alkalinity. On June 7, 2019 the California Regional Water Quality Control Board, Central Valley Region (RWQCB) implemented Order R5-2019-0058, Waste Discharge Requirements (WDRs, Permit) for the Baker Ranch (Ranch) and the Tuolumne City Sanitary District (TCSD) wastewater treatment plant, rescinding previous Orders for the Ranch and TCSD, and consolidating them into the new Permit with these new testing requirements.

Effective 1 June 2021 as required under our new permit, TCSD was prohibited from discharging effluent to the Land Application Area (LAA) unless it was blended in the reservoir. Prior to this requirement irrigation water was directly applied to the LAA. Since this was not metered in the past the district could not determine how much of the effluent water was not being blended in the reservoir. The district completed this project, but the unintended consequences is that all of our effluent is going directly to the ponds and our pH levels are exceeding our new permit requirements. Our prior permit did not require the District to monitor for pH. As a result, we will need to have a study conducted to address a permanent solution to this issue.

Discussion: Staff has requested Carollo Engineers prepare a proposal to address our current issue with pH above 9. Attached for your review is the proposed contract for services.

Fiscal Impact: Cost not to Exceed \$80,300 over two-years. Staff is recommending budgeting \$40,000 in the 2022-23 Fiscal Year (FY) Budget for this activity.

Attachment(s): Proposed Service Contract.

Recommendation: Approve and authorize the General Manager to sign the attached agreement.

Recommended Motion: I move to approve and authorize the General Manager to sign the attached professional services contract with Carollo Engineers for a cost not to exceed \$80,300.

BOARD ACTION:

<input type="checkbox"/> Resolution No _____	Moved by: _____	Second by: _____
_____ AYES	_____ NOES	_____ ABSTAINED
_____ ABSENT	<input type="checkbox"/> No Action Taken	