



Graton Community Services District BOARD OF DIRECTORS STAFF REPORT

DATE: June 20, 2022

TO: Members of the Board of Directors

FROM: Chad Davisson, General Manager

SUBJECT: RECEIVE A REPORT ON THE TERMS OF ACCEPTING TREATED PROCESS WASTEWATER FROM MANZANA PRODUCTS CO. AND PROVIDE DIRECTION TO STAFF

STATEMENT OF ISSUE:

Manzana Products Co. (Manzana) is an industrial food (apple) processing facility. Historically, Manzana has been a direct discharger but has requested the District consider providing sewer service through a service agreement.

STAFF'S RECOMMENDATION TO THE BOARD:

Receive a report on the terms of accepting treated process wastewater from Manzana and provide direction to staff.

DISCUSSION:

Manzana, although not located within the District's service area, has requested the District consider accepting process waste flows for collection and treatment by GCSD. The proposed flow rate averages 37,000 gallons per day/365 days per year.

Staff has met with Manzana several times and has engaged a consultant, Larry Walker and Associates, to evaluate the impact of this proposed discharge on the treatment process and overall plant capacity. This preliminary evaluation concluded that the District could adequately handle the proposed discharge from Manzana without experiencing plant upset, or pass through, based on the plant's current loading and treatment capabilities.

Specifics of proposed discharge characteristics and conditions:

- BOD and Total Suspended Solids levels are expected to be half of typical sanitary sewage.
- Proposed flows are 37,000 gallons per day on average.
- Proposed maximum dry season flows are 45,000 gallons per day.
- Manzana has 6-7 MG of on-site storage and can store their wastewater during wet weather. No wet weather discharges when the plant is experiencing increased wet weather flows.

Staff Report

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- Manzana and GCSD can integrate monitoring and SCADA information to coordinate discharges.

Financial Considerations:

The District has a formula for calculating sewer fees for new discharges. The District's sewer fees are based on a "Per Equivalent Service Dwelling". Please see the attached spreadsheet that was used to determine the ESD assignment associated with this proposed discharge volume and strength (BOD and TSS).

This proposed discharge equals 101 ESD's and would provide additional annual revenue of approximately \$158,688.

GCSD collects connection and capacity fees for all new connections. The purpose for collecting these fees is to provide revenue for future plant expansions that are required as a result of serving these new connections, as not to burden existing rate payers. The District's one time connection/capacity fee is \$10,352 per ESD for new connections. Therefore, the calculated one time connection/capacity fee is \$1,041,786.98.

As discussed above, the proposed discharge from Manzana is fairly unique and staff believes that it is not necessarily consistent with a "typical" residential ESD, for example. Therefore, staff recommends the Board consider some of the specifics of this proposed discharge to determine the most appropriate one time connection fee, specifically the value of Manzana's ability to store their wastewater during peak wet weather periods and coordinate flows into the GCSD sewer system.

Manzana has also expressed a willingness to provide funding for plant improvements, that would not only address future capacity needs, but also existing plant issues, for example the plant disinfection system upgrades.

Attachments:

1. ESD Calculation
2. UV System Quote