

From: "Rodney Langer" <rodneyl@chsenineers.com>
To: "Matt Aamot (Matt Aamot)" <maamot@co.whatcom.wa.us>
CC: "Kelly Wynn (Kelly Wynn)" <kellyw@wwsvc.com>
Date: 9/3/2008 3:42 PM
Subject: RE: WCWD#13 - Treatment Plant Capacity

Hi Matt - we have reviewed the County Foothills Subarea Plan Draft Environmental Impact Statement for purposes of general understanding of the alternatives under consideration. Endnote 3 for Chapter 8 references an email from me to you (copy included below) regarding plant capacity. After I wrote that email we completed further work on the Wastewater Treatment Plant Engineering Report and note that a revision of my prior comment is necessary. The change is due to the planning criteria - previously I reported on the basis of average daily flow capacity whereas the permit is actually based on the average daily flow for the maximum month. We also are using a lower per capita flow based on further review of the historical flow data.

Please use the following updated version for consideration of the alternatives, where appropriate.

For general information purposes only it is noted that the existing treatment plant is permitted to treat 125,000 gallons per day, average daily flow for the maximum month. The District's comprehensive sewer plan, presently under development, includes a per capita sewer flow criteria of 65 gallons per day, which is conservative compared to recent actual flow data. Using the criteria of 65 gpd per person and 2.79 persons per RCE, the average daily flow per RCE is 217 gpd (maximum month). This suggests that the existing facility has capacity for approximately 576 RCE's. There were 379 RCE's committed for sewer service as of July 2007 (as we recently discussed, nearly all of these are active connections). Actual flows per connection have been somewhat lower, providing a margin of contingency in the planning process (i.e. there are likely more connections available based on actual flow, which is the real permit test).

I trust this email will be considered as part of the written record of comments submitted on the DEIS - if this info needs to be communicated more formally, please let me know.

Thanks - call if any questions about this update.

Rodney

From: Rodney Langer [mailto:rodneyl@chsenineers.com]
Sent: Thursday, May 29, 2008 3:12 PM
To: Matt Aamot (Matt Aamot)
Cc: Kelly Wynn (Kelly Wynn)
Subject: WCWD#13 - Treatment Plant Capacity

Hi Matt - here is a statement regarding WWTP plant capacity. Hope this serves your immediate needs. Thanks for meeting with us a couple of weeks ago - It was helpful for me at least!

For general information purposes only it is noted that the existing treatment plant is permitted to treat 125,000 gallons per day, average daily flow. The District's comprehensive sewer plan, presently under development, includes a per capita sewer flow criteria of 70 gallons per day, which is conservative compared to recent actual flow data. Using the criteria of 70 gpd per person and 2.79 persons per RCE, the average daily flow per RCE is 195 gpd. This suggests that the existing facility has capacity for approximately 640 RCE's. There were 379 RCE's committed for sewer service as of July 2007 (as we recently discussed, nearly all of these are active connections). Actual flows per connection have been somewhat lower, providing a margin of contingency in the planning process (i.e. there are likely more connections available based on actual flow, which is the real permit test).

Thanks

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