

City Engineer Memo

To: Mayor Susan McBryant
CC: City Council Members
From: Tom Hellen, City Engineer
Date: 12/21/2007
Re: Wastewater Treatment Plant Capacity

To further clarify the issue of the remaining capacity of the Woodside Wastewater Treatment plant within the existing city limits I have prepared the following chart. Please remember that this is the worst case scenario, especially for infill where this anticipates areas such as Old Hailey being redeveloped into 6,000 sf lots.

Area	Population	% of Plant Capacity
Current Capacity	8,500	40
Infill (at GR)	3,200	17
Airport (at GR)	3,500	19
Current City Limits	15,200	76
Peregrine Ranch	200	1
Spring Canyon, Assisted Care, School	400	2
Quigley	800	4
By Northridge (at GR)	1,000	5
With Currently Proposed Additions	17,600	88

The per cent of plant capacity shown is with the present operating conditions. The airport property being developed at GR represents the highest impact for the wastewater plant with the exception of a high water use industry development.

As mentioned previously changes in our discharge permit will necessitate additional costs, both operating and capital. As also noted however, changes in technology have the potential to mitigate these costs while retaining or improving plant capacity. These options will be further identified in the Wastewater Master Plan update.