



King George County, Virginia



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A. TRAVIS QUESENBERRY, P. E.
COUNTY ENGINEER

MEMORANDUM

DATE: October 14, 2003
TO: Dennis Kerns, County Administrator
COPY: Jack Green, Director of Community Development
Tom Lovett, General Manager - KGCSA
FROM: A. Travis Quesenberry, P.E., County Engineer *A.T.Q.*
SUBJECT: Hopyard Flow Projections

On October 10, 2003 I received a copy of a memorandum from Mr. Ken Baybutt, P.E. of Rickmond Engineering to Tom Lovett regarding the flow projections for the proposed Hopyard development. The projections were based on the following land uses:

- 898 residential units
- 130,000 square feet of commercial/retail
- 64,200 square feet of fire/library/recreation
- 88,600 square feet of offices
- 33 office/condo units

Mr. Baybutt estimates the average daily flow for the Hopyard development, based on the proposed land uses, to be 366,465 gallons per day. Mr. Baybutt concludes that a 375,000-gpd wastewater treatment plant has adequate capacity for the Hopyard development.

I have reviewed Mr. Baybutt's analysis and agree that a 375,000-gpd wastewater treatment plant has adequate capacity for the Hopyard development, based on proposed land uses.