Canaan Valley Wastewater Meeting
December 13, 2005
WWTF Owners Meeting
Canaan Valley Fire Hall

Attending – Stan Skutek, Herb Richardson, Skip Elder, Dick Adams, Rob Gilligan, Cindy Cook, Murray Dearborn, Calvin Dearborn, Arie Long, Jerry Helmick, Keith Teter, Elbert Morton, Mike Johnson, Robert Porter, Natalie Brown, Joe Drenning, Sam Eicheberger, Henryy Moomaw, Dennis Stottlemyer, Bobby Snyder, Gary Daum, Kiena Smith, Ed Winant, Rob Stull, Jenny Newland, Lois Nelson, Pio Lombardo.

Welcome/Introductions

Introductions

Project Update – Pio Lombardo

Status of Facilities Plans –work to be completed by end of February to provide mechanism for use of STAG grant allocated for a decentralized wastewater for Canaan Valley.

Project Update - Questionnaire sent out – please complete and return.

Field visit to Wastewater Treatment Facilities (WWTFs) completed with operator

Newsletter sent out

Project Website – has reports and maps and can be found at http://www.lombardoassociates.com/canaan-valley-west-virginia.php

GIS analysis and mapping – updated

Draft report on existing wastewater needs

WLAs (Waste load allocation) to WVDEP for upgrading all existing WWTFs

I/I Evaluation – Infiltration/Inflow – water seeping into systems. Looked at water use data and will be looking at more. Wastewater generation is assumed to be ~80% of water used. Looking also at plant flow data and hoping to add simple techniques to find out more flow data. Ideally want to know flow in. Difficulty is how you measure it.

Presented WWTF Assessment Summary – gave general assessment of current facilities. By and large the engineers think that most facilities need work. Discussed permitting requirements. Technical conclusion – replace or rehabilitate current plants. Age of plants are at the effective end use of their life.

Will discuss rehabbing facilities.

WWTF Deficiencies – Instrumentation, control and process deficiencies listed.

Summary of permit requirements – listed BOD; TSS (total suspended solids); and ammonia. Current restrictions reviewed.

Treatment Alternatives – shows design flow rate and treatment options. May be an advantage to reduce determinant flow if not using its peak flow. Options shown included rehab, RMF (re-circulating media filters), peat, textile, and SBR.

Capital Costs – feasibility study estimated ~$11 million; $2.8 million in grants – distributed among sites based on percent required to bring facility up to standard; public entity to do all; bonding at tax free rates or no interest loans through state.

Projected User Charges – detailed user charges estimated in next month.

Capital Cost Comparison – will fill in throughout the next month.

Membrane bio-reactor at Timberline estimated similar to what is planned.

Explained Parcel Development Map – In next month, will project where development conceivably could be.

Questions/Discussion

Is Timberline proposal adequate? – Yes, it could meet their permit requirements.

Asked for further explanation of parcel development map. How do you know the planned development? From the reports that existed, LAI took the information available. How do we connect to plan? Rob will be working with landowners and developers in the next few weeks. If you know development potential, send it to Rob or Natalie to insure greater accuracy of plan.

Asked Zoning Coordinator if we have more information more recent than 2003. Yes, he has all the permits. Pio requested that he please give us all he has.

Is there enough wasteload capacity to accommodate the capacity? From what we saw before, yes. We've got to look at that closely again. There may be some previous disconnects. If there's not enough wasteload capacity, then what happens? Pio – water reuse. May need to go to a higher capacity of "cleaner" discharge. Timberline's membrane bioreactor would work. Improve effluent quality or recycle water for non-potable uses.

In the charge, have we considered "controlling" the addition of development? - Somewhat. Cost issues have been included.

What is worrying us (Northpoint) is the incredible fractured area which infiltration could affect CV ground water. Pio - this is part of project and will be considered. Understands angle and we have to be explicit. Will need to go through detailed analysis and protection of groundwater will be considered.

Next meeting – January 11, 2006

Following meeting – February 15, 2006

Adjourned 7:00 p.m.