

**Canaan Valley Wastewater Meeting  
Advisory Committee Agenda  
Thomas Education Center  
December 13, 2005**

Attending: Ed Winant (CVI), Paul Kinder (CVI), Rob Stull (CVI), Natalie Brown (LAI), Pio Lombardo (LAI), Lois Nelson (CVI), Jenny Newland (CVI), Kiena Smith (CVI), Dennis Stottlemeyer (WVDEP), Jack Fleshman (WVDEP), Brad Leslie (WVDNR), Elbert Morton (WVDEP), Mike Johnson (WVDEP), Rich Pepino (EPA), and Carol Ann Davis (EPA).

**Facilities Plans Update - Pio**

Status update by Natalie

Have completed a field visit with operator; Compiling a draft report on existing wastewater needs for facilities. Pio – recommendation is by and large all wastewater treatment facilities (WWTFs) need to be replaced; Very little to salvage at any facility. Trying to quantify I/I at all facilities. Is I/I an issue at the plants? Rob noted Keith Teter (operator) has offered water use records to be used; Most plants use extended aeration, which is not suited for small, variable-flow applications.

Public participation – Newsletter, project website up and running  
GIS mapping and analysis

General project area

Canaan Valley Watersheds

Discussion of illustration of “swamp area” distinguished from wetland area.

Need to create watershed boundaries within Canaan Valley.

Canaan Valley Contours

Soils Analysis - noted Dekalb and Leetonia – conducive to sub-surface systems

Impaired Streams (303D) – noted Blackwater River no longer on 303D. Jenny thought this was because it now has a TMDL.

Public Water supplies

WWTFs & Service Areas

Parcel Development Map – result of development analysis (all other maps are reference material); illustrates sewer service areas. ~ 400 parcels are developed. 1800 +/- that are developable. Other land is public. Working on accuracy of information in next month. Will note build out potential on a parcel by parcel basis. Key question to address: Does project affect the developability of a landowner’s property? We think “no”, but more how they will best be served by wastewater facilities in the future. Need to review previous build-out analysis that has been completed. LAI is trying to understand the developability of undeveloped parcels. Is the on-site approach sustainable in that area? Must also consider what happens if it fails too. The original feasibility plan allocates roughly \$1 million for on-site systems.

10 UIC (underground injection control) systems have been permitted but not built. Interesting thing is it is inside the sewer area and the maps show that the soil types are questionable. Thickness of soil mantle is important. The issue is accuracy of soils. Ed Winant suggested getting well logs. For areas that are sewer, looking at costs for putting in treatment systems.

Have turned in WLAs to WVDEP for upgrading facilities.

WWTF Assessment table – all systems over 20 years old.

WWTF deficiencies analysis table

Capital Costs – presented

Net capital cost of \$8.5million If PSD bonded, ~ over \$11 million. \$8.5 raised in bonding. Averaging \$22/gallon/day

Projected user charge – annualized cost to repay debt for new treatment system.

Annual cost could be projected.

Ed suggested adding in a column for a capital improvement fund. Natalie stated that it's included in the O/M fee.

Assuming long term financing – 6% for 20 years.

#### Capital Cost Comparison

For next 30 days, LAI will be developing a capital cost for a new system for each facility. Will be on a life cycle basis.

#### Admin Costs

Draft budget for RME's management of all package facilities in CV.

Everything is outsourced in terms of O/M. RME will not take on any financial risk. \$556/year user cost for RME/year. Other source of revenue for PSD is a Program Management role. \$50 – 70,000/year – part of capital cost. Will meet with entire PSD January 16, 2006. Will submit ideas prior to PSD for review. Concerned voiced at this late of meeting date. Our next public and operator meeting is January 11 and a decision will be needed before then. Rob will work on getting with Hamrick PSD sooner.

Discussed competitive wastewater treatment technologies. Reviewed design flow table.

Is "Black Beauty" possible to produce from Mt Storm power plant? Need to check with Mt Storm

Is peat produced in Canaan Valley suitable for peat system WW treatment?

Need to get sample from local producer

Textile filter – may be most cost effective.

Membrane bioreactor for Timberline.

#### **To do list - reviewed**

Map of sub watersheds

Check into Blackwater River 303d list – Carol Ann clarified that if it is not shown, it is because that they already have a completed TMDL.

Parcel data on aerial photo

Zoning regulation

Information on developability

Better soils data options

Communicate with PSD prior to January meeting and schedule a meeting sooner.

Discussion of effluent trading. Carol Ann reminded that it needs to be consistent with TMDL. Rich – does WV currently have a formal trading policy? Mike Johnson -- No. There is not one in the works either. Is WVDEP open to idea of trading? - It is on the radar screen. Elbert suggested that when getting WLA's, may need to give the permitting agency Scenario A, Scenario B, Scenario C. LAI has not currently looked at combining permits. Would need a justification and why that this is the best answer. It ensures that the water quality would be met. The Blackwater will continue to be monitored.

LAI will create scenarios. Will have at next meeting.

Facilities must be owned by public entity to be eligible for EPA grant funding. In essence, they can't be privately owned. Wasteload allocation is what they are permitted at, not what their flow is. These comments lead to trading. Carol Ann emphasized the importance of having a process for trading. Based on permitted flow is based on design flow. Can design for that with the grant.

Some of facility owners have existing debt.

Brad, WVDNR, voiced concerned of joining a management plan and losing unused wasteload allocation amounts. Therefore, that could conceivably decrease the allocation for the State Park and would limit their development capacity and that's not acceptable.

Goal is at end of project to have everything explicitly listed lot by lot.

**BREAK**

**Comprehensive Plan discussion**

- Alternative solutions
- Management
- STAG resources availability
- Addressing onsite systems

Natalie shared Woolpert report. Steve Cole told her they are trying to move up their schedule to get this project data included. Data assessment for all existing needs and preliminary recommendations expected in January.

Rob met with Zoning Commissioner last week. Will follow-up with General Manager (GM) at Timberline to discuss us presenting an alternative to the Thrasher recommendation.

Henry Moomaw, Northpoint is currently a "holdout", Rob spoke with him this past week. Will be at meeting tonight and catch up with planning.

Canaan Village plant is in good shape and Rob's unsure if they'll join us or not.

Jenny's item – Getting all plant owners and operators with public entity to allocate STAG resources. Will happen after plan completed. Will need to be several discussions about what is best plan for CV to allocate resources. How does Pio suggest we allocate monies? He suggested on a percentage basis. First draft presented was based on cost only. (i.e. took \$2.8 million and gave Beaver Ridge 10% because of 10% of load). STAG monies can only be spent on publicly owned entities. Ed added matching funds are needed for leverage too.

Cannot do grant allocations until facilities plan completed. Shouldn't make decisions until cost alternatives and options are finalized. Pio plans to have draft ready in January and this item should be more fully discussed at the February meeting.

Discussion of those with existing debt – Elbert suggested that these facilities become customers of the RME and are surcharged to pay off the debt. They could receive funds through the RME. They retain their customers and charge their customers for the debt.

Next meetings – January 11, 2006 – 1:00 p.m. Canaan /Thomas/Davis area

- Preferred plan
- Rough draft
- Management
- Financials

February 15, 2006 is following meeting<sup>[JN1]</sup>.

Adjourned.