

Eastern Wyoming PSD before and after

*Engineering Services
To the
West Virginia Department of
Environmental Protection
Expression of Interest for*

Office of
Abandoned Mine Lands
And Reclamation

*RFQ # DEP 14381
Coaldale/Bramwell Hill
Water Line Extension*

October 6, 2008

Submitted by:

 **Pentree**
Incorporated
Consulting Engineers

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ACQUISITION DIVISION
STATE OF WV

1428 Main Street
P.O. Box 1309
Princeton, WV 24740
304-431-7800 phone
304-425-0445 fax

October 6, 2008

West Virginia Department of Environmental Protection
Office of Abandoned Mine Lands and Reclamation
c/o State of West Virginia Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

**RE: Expression of Interest – The Coaldale/Bramwell Hill Water Line
Extension DEP#14381**

To Whom It May Concern:

Pentree, Inc. is pleased to have the opportunity to provide the West Virginia Department of Environmental Protection with our high standard of professional engineering design services on an Abandoned Mine Lands project to extend public water to areas of Mercer County.

We have recently completed the construction of the Mullens/Wyco Water Project for Eastern Wyoming County P.S.D.(Wyoming County) and are nearing completion of the design of the Itmann/Bud Mountain Water Project (Wyoming County) both partially funded AML projects. Our experience with these projects along with our qualifications as a full service civil engineering firm will provide the DEP's Office of Abandoned Mine Lands and Reclamation with quality professional engineering service in a timely and cost efficient manner.

In addition to our qualifications, Pentree, Incorporated offers the following advantages to our selection for the engineering of the Coaldale/Bramwell Hill Water Line Extension project:

- **Experience with Bluewell PSD:** Pentree, Incorporated has worked with water extension projects for the Bluewell Public Service District for many years. Our knowledge of their existing system, especially in the Bramwell area, gives us a distinct advantage in providing the most cost effective and user friendly design.

- ***Experience in Mercer County:*** Pentree, Incorporated has performed professional services for numerous water utility projects within Mercer County for over thirty years. Our client list includes Bluewell PSD, Green Valley-Glenwood PSD, Lashmeet PSD, Town of Bramwell, and West Virginia American Water Company –all within the county boundaries.
- ***Personnel:*** As part of the largest West Virginia owned and operated engineering firm, Pentree, Incorporated offers the number of employees within the varied disciplines necessary to complete your project with the highest level of technical expertise within an expedient time frame. The staff assigned to your project includes individuals who managed and worked on our previous AML funded projects.

Following the instructions outlined in the RFQ, this proposal contains information regarding Pentree, Incorporated's history, qualifications and management and staffing capabilities along with the required DEP/AML Consultant's Confidential Qualifications Questionnaire, and an affidavit stating Pentree, Incorporated has no debt owed to the State of West Virginia.

We thank you for your consideration of our qualifications and look forward to the opportunity to present our qualifications and project methodology to you in person.

Sincerely,

PENTREE, INCORPORATED



JOHN W. TUGGLE, P.E., P.S.
President/ Principal-In-Charge

**STATEMENT OF QUALIFICATIONS
FOR
ENGINEERING SERVICES
TO THE
WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ABANDONED MINE LANDS AND
RECLAMATION
Coaldale/Bramwell Hill
Water Line Extension
RFQ#DEP14351**

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WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE

Attachment "B"

PROJECT NAME: RFQ# DEP14351 COALDALE/BRAMWELL HILL WATER LINE EXTENSION		DATE (DAY, MONTH, YEAR) 07-OCTOBER-2008	FEIN 55-0483692
1. FIRM NAME Pentree, Inc.	2. HOME OFFICE BUSINESS ADDRESS 1248 Main St./P.O. Box 1309 Princeton, WV 24740		3. FORMER FIRM NAME Bennett-Nave-Thomas
4. HOME OFFICE TELEPHONE (304) 431-7800	5. ESTABLISHED (YEAR) 1904	6. TYPE OWNERSHIP Individual Corporation X Partnership Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES NO X
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 1428 Main St/P.O. Box 1309/Princeton, WV 24740/304-431-7800/John Tuggle/26			

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM John W. Tuggle, P.E., P.S. Principle in Charge Robert D. Hazelwood, P.E., P.S. Vice President	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
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9. PERSONNEL BY DISCIPLINE

3 ADMINISTRATIVE	—	ECOLOGISTS	—	LANDSCAPE ARCHITECTS	—	STRUCTURAL ENGINEERS
— ARCHITECTS	—	ECONOMISTS	—	MECHANICAL ENGINEERS	—	4 SURVEYORS
— BIOLOGIST	—	ELECTRICAL ENGINEERS	—	MINING ENGINEERS	—	TRAFFIC ENGINEERS
6 CADD OPERATORS	—	ENVIRONMENTALISTS	2	PHOTOGRAMMETRISTS	—	OTHER
— CHEMICAL ENGINEERS	—	ESTIMATORS	—	PLANNERS: URBAN/REGIONAL	—	
5 CIVIL ENGINEERS	—	GEOLOGISTS	1	SANITARY ENGINEERS	—	
5 CONSTRUCTION INSPECTORS	—	HISTORIANS	—	SOILS ENGINEERS	—	26 TOTAL PERSONNEL
— DESIGNERS	—	HYDROLOGISTS	—	SPECIFICATION	—	
— DRAFTSMEN	—		—	WRITERS	—	

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 4
 *RPES other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	NOT APPLICABLE
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12. A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

YES Description and Number of Projects: PENTREE INCORPORATED HAS RECENTLY COMPLETED DESIGN FOR TWO PARTIALLY IMPACTED AML WATER PROJECTS: KEYROCK WATER EXTENSION PROJECT FOR RAVENCLIFF-MCGRAWS-SAULSVILLE PSD IN WYOMING COUNTY AND MULLENS/WYCO WATER PROJECT FOR THE EASTERN WYOMING PSD ALSO IN WYOMING COUNTY. THE EWPSD PROJECT WAS THE 2006 EPA REGION 9 AWARD WINNING PROJECT FOR SUSTAINABLE PUBLIC HEALTH PROTECTION ENCOMPASSING ELEVEN FAILING, FLOODED AND ABANDONED WATER SYSTEMS. ADDITIONALLY, WE PROVIDED ENGINEERING SERVICES FOR THE FIRST PARTIALLY IMPACTED AML PROJECT FOR GAULEY RIVER PSD WITH THE JODIE WATER LINE EXTENSION PROJECT IN 1998.

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: PENTREE, INCORPORATED HAS ACCESS TO A MATERIALS TESTING AND ANALYSIS LAB AT OUR AFFILIATE OFFICE (THRASHER ENGINEERING) IN CLARKSBURG, WV. SOIL ANALYSIS EXPERIENCE IS SPECIFICALLY IN GRADATIONS AND CLASSIFICATIONS
NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: THROUGH OUR WORK ON WATER SYSTEM PROJECTS FOR VARIOUS PSDS AND MUNICIPALITIES, WE HAVE DEVELOPED HYDRAULIC MODELING OF SYSTEMS, AND HAVE A HARSTED METHOD MASTER MODELER ON OUR AML TEAM STAFF.

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

YES Description and Number of Projects: EVERY WATER AND WASTEWATER PROJECT PENTREE HAS DESIGNED IN THE LAST 25 YEARS HAS BEEN PHOTOGRAMMETRICALLY PRODUCED BY OUR IN-HOUSE PHOTOGRAMMETRY DEPARTMENT.

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in Evaluation of aquifer degradation as a result of mining.) -

YES DESCRIPTION AND NUMBER OF PROJECTS: PENTREE, INCORPORATED HAS DESIGNED OVER 50 WATER LINE EXTENSION AND REPLACEMENT PROJECTS PER YEAR FOR THE PAST 30 YEARS OF BUSINESS. PROJECTS INCLUDE LINES, BOOSTER STATIONS, WATER TREATMENT PLANTS, AND STORAGE FACILITIES.

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Tuggle, John W. P.E., P.E. President	10	24	24
<p>Brief Explanation of Responsibilities</p> <p>Mr. Tuggle serves as President of Pentree, Inc. Mr. Tuggle is Principal in Charge for public utility projects including sanitary sewer, water and storm water management. In this capacity he is responsible for feasibility studies and design, regulatory and funding assistance for state, federal and private clients. Additionally, he has extensive experience working with funding and regulatory agencies in conjunction with projects. In the capacity of Principal-In-Charge, for this AML design project, he will work closely with the Project Manager to ensure timeliness of the projects, client satisfaction and oversee budgetary aspects</p>			
<p>EDUCATION (Degree, Year, Specialization)</p> <p>B.S., 1982, BLEUFIELD STATE COLLEGE - CIVIL ENGINEERING TECHNOLOGY</p>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)	
WEST VIRGINIA RURAL WATER ASSOCIATION		P.E. 1993 - WEST VIRGINIA #11845	
VIRGINIA RURAL WATER ASSOCIATION		P.S. 1995 - WEST VIRGINIA #1176	
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Hazelwood, Robert D. P.E., P.S. Vice President	7	29	29
<p>Brief Explanation of Responsibilities</p> <p>Robert D. Hazelwood, P.E., P.S. Vice President of Pentree, Inc. will serve as Project Manager / Project Engineer. His major responsibility will be for project oversight of all design and construction aspects. Mr. Hazelwood has extensive experience in water line extension projects throughout West Virginia and in particular - Wyoming County. Additionally, Mr. Hazelwood was Project Manager/Project Engineer for both the Mullens/Wyco Water System Upgrade and the Keyrock Water Project which has extensive funding with the WVDEP AML. As such, Mr. Hazelwood is well versed in AML reporting and deadline requirements.</p>			
<p>EDUCATION (Degree, Year, Specialization)</p> <p>■ M.S., Sanitary Engineering, 1976 - Virginia Polytechnical Institute</p> <p>■ B.S., Civil Engineering, 1975 - West Virginia Technical Institute</p>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)	
WEST VIRGINIA RURAL WATER ASSOCIATION		P.E 1980 - WEST VIRGINIA #008452	
		P.S.1980 - WEST VIRGINIA #1179	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
SHORTS, DANIEL R. P.E., P.S.		YEARS OF AML DESIGN EXPERIENCE: 4	YEARS OF AML RELATED DESIGN EXPERIENCE: 16
YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 16			
Brief Explanation of Responsibilities Mr. Shorts will be in charge of scheduling of design sequence and project milestones. Mr. Shorts will also be responsible for Quality Control for the Coaldale/Bramwell Hill Water Project.			
EDUCATION (Degree, Year, Specialization)			
<ul style="list-style-type: none"> M.S. Civil Engineering - 2001 - Virginia Polytechnical Institute B.S. Civil Engineering - 1988 - West Virginia Institute of Technology 			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS			
West Virginia Rural Water Association			
REGISTRATION (Type, Year, State) P.E. WEST VIRGINIA #011840 P.S. WEST VIRGINIA # 1178 P.E. NORTH CAROLINA #27290 P.E. VIRGINIA #034253			
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
SHIELDS, ROBERT G. (Gary) P.E., P.S.		YEARS OF AML DESIGN EXPERIENCE: 4	YEARS OF AML RELATED DESIGN EXPERIENCE: 28
YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 28			
Brief Explanation of Responsibilities From 1980 until 2003, Mr. Shields was a self-employed Licensed Land Surveyor, performing various planning, design, control & topographical surveys, and construction layouts. He has also, designed storm water, sanitary sewer and potable water systems; prepared specifications, permits and plans, as well as construction inspection for primarily subdivision developments. Mr. Shields' responsibility will be to oversee any mapping and survey needs for the Coaldale/Bramwell Hill Water Project.			
EDUCATION (Degree, Year, Specialization)			
B.S., 1980, Civil Engineering Technology, Bluefield State College			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS			
REGISTRATION (Type, Year, State) P.E. 1990 - WEST VIRGINIA #10786 P.S. 1982 - WEST VIRGINIA #766 P.S. 1986 - VIRGINIA #1545			

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML
DESIGN SERVICES

We perform our work utilizing the most current methods and equipment available.

SURVEY

Our survey work is accomplished with global positioning systems (GPS) and electronic distance measuring (EDM) survey stations with data gathering capabilities. This equipment includes:

Our survey work is accomplished with global positioning systems (GPS) and electronic distance measuring (EDM) survey stations with data gathering capabilities.

DESIGN

CAD CAPABILITIES

Pentree, Inc., Incorporated provides one of the largest networks of computer aided design (CAD) equipment, software and trained personnel in the State of West Virginia.

AutoCAD Landdesktop 2007 and Microstation V8 software is utilized at 23 CAD stations. Upon its upcoming release, Landdesktop 2008 will be added to the corporate system. Additional equipment includes 2 large format (size E) plotters.

CAD plans are prepared by both dedicated CAD employees and by staff engineers and engineering technicians.

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD - WATER DISTRIBUTION PROJECTS

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
KEYROCK WATER PROJECT WYOMING COUNTY	RAVENCLIFF-MCGRAWS- SAULSVILLE PSD PO BOX 217 MCGRAWS, WV 25875	PRELIMINARY ENGINEERING REPORTS REVIEW, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION,	\$4,300,000	98%
MULLENS/WYCO WATER PROJECT WYOMING COUNTY	EASTERN WYOMING PSD PO BOX 506 LOGAN, WV 25601	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$14,587,000	98%
ASCO WATER PROJECT MCDOWELL COUNTY	TOWN OF DAVY PO BOX 243 DAVY, WV 24828	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$10,000,000	75%
SPANISHBURG WATER EXTENSION PHASE 2B PROJECT MERCER COUNTY	LASHMEET P.S.D. PO BOX 189 LASHMEET, WV 24733	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$1,898,200	75% Design

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD - WATER DISTRIBUTION PROJECTS

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
PAGE-KINCAID WATER PROJECT FAYETTE COUNTY	PAGE-KINCAID PSD PO BOX 165, HWY 61 KINCAID, WV 25119	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$2,400,000	85% Design
GREENVILLE WATER PROJECT MONROE COUNTY	RED SULPHUR PSD PO BOX 697 PETERSTOWN, WV 24963	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$2,728,000	40% Design
SUMMERSVILLE WATER LINE EXTENSION NICHOLAS COUNTY	GAULEY RIVER PSD PO BOX 47 SWISS, WV 26690	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	Phase I \$4,649,702 Phase II \$2,322,890 Phase III \$2,341,622	75% Design
BIG SANDY WATER PROJECT McDowell County	McDowell County PSD HC 31, Box 436 Welch, WV 24801	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS	\$8,714,120	50% Design
RUSSELLVILLE ROAD WATER PROJECT GREENBRIER COUNTY	GREENBRIER COUNTY PSD #2 PO BOX 673 RAINELLE, WV 25962	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$865,000	25%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD - WATER DISTRIBUTION PROJECTS

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
JESSEE MATHENY WATER PROJECT WYOMING COUNTY	RAVENCLIFF-MCGRAWS- SAULSVILLE PSD PO BOX 217 MCGRAWS, WV 25875	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$6,164,000	100%
GLEN WHITE TRAP HILL WATER PHASE I RALEIGH COUNTY	GLEN WHITE TRAP HILL PSD PO BOX 100 FAIRDALE, WV 25839	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$5,315,000	99%
ITMANN/BUD MOUNTAIN WATER PROJECT WYOMING COUNTY	EASTERN WYOMING PSD PO BOX 506 LOGAN, WV 25601	PRELIMINARY ENGINEERING REPORTS, ENVIRONMENTAL STUDIES AND PERMITTING, PREPARATION OF PLANS AND SPECIFICATIONS, SURVEY, DESIGN, BID DOCUMENTATION, REVIEW AND RECOMMENDATION, CONSTRUCTION MANAGEMENT AND INSPECTION	\$3,064,000	100% DESIGN

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS	NON APPLICABLE

[illegible]

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
INWOOD SEWER EXTENSION BERKELEY COUNTY	BERKELEY COUNTY PSSD PO BOX 944 MARTINSBURG, WV 25401	\$27,000,000	2003	YES
TWENTYMILE WATER PROJECT FAYETTE COUNTY	GAULEY RIVER PSD PO BOX 47 SWISS, WV 26690	\$4,600,000	2005	YES
BOZOO-ROCK CAMP WATER EXTENSION MONROE COUNTY	RED SULPHUR PSD PO BOX 597 PETERSTOWN, WV 24963	\$3,100,000	2004	YES
BAKER HEIGHTS WASTEWATER TREATMENT PLANT UPGRADE BERKELEY COUNTY	BERKELEY COUNTY PSSD PO BOX 944 MARTINSBURG, WV 25401	\$8,730,919	SEPT. 2008	95% COMPLETE
OAK HILL DRAINAGE PHASE I FAYETTE COUNTY	CITY OF OAK HILL PO BOX 1245 OAK HILL, WV 25901	\$1,285,000	2004	YES
PAGE KINCAID SEWER PROJECT FAYETTE COUNTY	PAGE-KINCAID PSD PO BOX 165, HWY 61 KINCAID, WV 25119	\$10,800,000	2006	YES
CITY OF OAK HILL OYLER AVENUE SIDEWALKS FAYETTE COUNTY	CITY OF OAK HILL PO BOX 1245 OAK HILL, WV 25901	\$70,000	2003	YES
FOUNTAIN SPRINGS INDUSTRIAL PARK MONROE COUNTY	GREENBRIER VALLEY EDC 810 JEFFERSON ST, STE 103 LEWISBURG, WV 24901	\$2,400,000	2004	YES
LOWER BIRCHFIELD/ ROUTE 72 WATER LINE EXTENSION WISE COUNTY, VA	WISE COUNTY PUBLIC SRV AUTH PO BOX 1940 COEBURN, VA 24230	\$1,100,000	2004	YES
FORT CHISWELL WASTEWATER TREATMENT PLANT UPGRADE PH I&II WYTEH COUNTY, VA	WYTEH COUNTY BOARD OF SUPERVISORS 340 SOUTH 6 TH ST WYTHEVILLE, VA 24382	PHASE I - \$376,000 PHASE II - \$4,140,655	2006 2008	YES
ECOLAB WATERWATER TREATMENT PLANT UPGRADE BERKELEY COUNTY	ECOLAB 942 BAKER ROAD MARTINSBURG, WV 25405	\$1,778,000	DECEMBER 2008	YES

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: Pentree, Incorporated

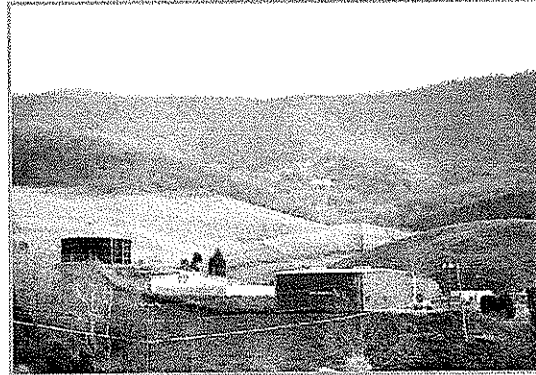
Authorized Signature: [Signature] Date: October 6, 2008

STATEMENT OF QUALIFICATIONS

Pentree, Incorporated is uniquely qualified to provide the West Virginia Department of Environmental Protection with the engineering design services and construction monitoring necessary for the Coaldale/Bramwell Hill Waterline Extension Project. We have provided these services with the highest level of technical expertise and client satisfaction for numerous clients throughout the state of West Virginia.

Pentree was established over a century ago to provide quality engineering services to the State of West Virginia, Public Service Districts, Counties, Municipalities and private clientele. Today, Pentree, Incorporated prides itself on continuing that tradition.

Located in Princeton, West Virginia, our staff includes five registered professional engineers and four licensed professional surveyors. Additionally, our staff of six construction inspectors, thirteen diversely skilled technicians and support personnel provide the resources and support necessary to provide our clients with the thorough and efficient services they desire and deserve.



Bluewell Public Service District

As a part of Resource Engineering Group, Inc., Pentree, Incorporated can offer its clients services above and beyond those of most engineering firms. In addition to civil engineering, survey and construction management, we now offer environmental assessment and permitting, pipeline inspection, hydraulic pipe modeling and GIS mapping services, all of which are of benefit to our client's infrastructure growth and improvements.

Pentree, Incorporated is guided by the mission statement of: ***To establish and maintain on-going relationships by providing the highest level of performance possible toward attaining the goals of the organizations we serve as we strive to enhance the communities in which we live.***

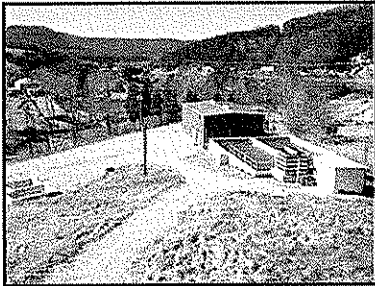
Our staff is actively involved in all aspects of the engineering process from consulting and planning through funding and preparation of documentation needed throughout the construction process to meet the requirements of funding agencies.

Pentree, Inc. has developed strong working relationships with all funding agencies and has earned a good reputation among them and project administrators for the quality of our work. We have extensive experience in projects funded by a variety of federal and state sources, either individually or in combination, including those most specific to public utilities projects, which include:

- ❑ ***Rural Economic and Community Development Administration (USDA/RUS)***
- ❑ ***WV Infrastructure and Jobs Development Council***
- ❑ ***WV Department of Environmental Protection – Abandoned Mine Lands Program***
- ❑ ***WV Department of Environmental Protection – Construction Grants Program***
- ❑ ***West Virginia Development Office – Small Cities Block Grants (HUD)***
- ❑ ***Water Development Authority***
- ❑ ***Appalachian Regional Commission***
- ❑ ***US Department of Commerce – Economic Development Administration***

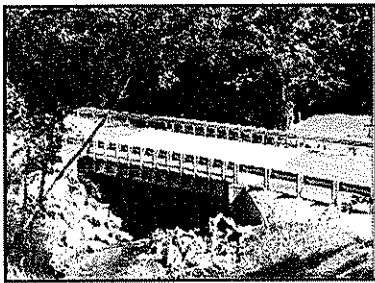
SERVICES

Pentree, Incorporated provides a wide variety of engineering and consulting services:



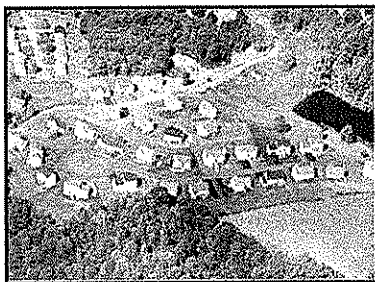
Civil / Environmental Engineering

- Public Utilities Comprehensive Studies and Feasibility/ Preliminary Engineering Reports
- Wastewater Collection & Treatment Systems
- Water Treatment & Distribution Systems
- Storm Water Management
- Land Planning and Development
- Structural Design



Transportation Engineering

- Highway/Roadways
- Parking Lots
- Bridges
- Airports



Photogrammetry

- Digital Aerial Photography & Mapping
- 3D Terrain Modeling
- 2-D and 3-D Digital Documentation

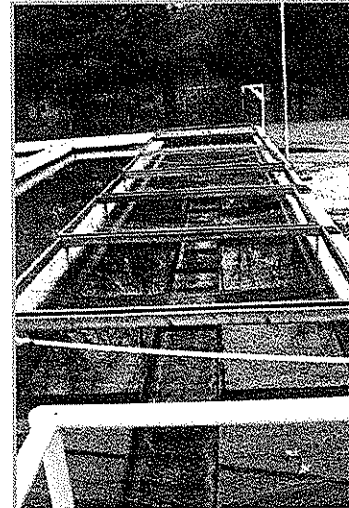


Field Services

- Owner's
- Survey
- Construction Management
- Owner's Representative Services

TECHNICAL EXPERTISE

Pentree's roots are firmly planted in the engineering of publicly funded water and wastewater projects throughout the state of West Virginia and in western Virginia. For over a century, we have provided our technical expertise in all aspects of engineering and field services. The proven methods of approach we apply assure our clients of a successful project that meets their needs for the present and future. From the beginning phases of investigation and evaluation through design, funding and construction management, ***Pentree, Incorporated provides the highest standards of performance.***



*Settling Basins – Green Valley
Glenwood Public Service District*

DESIGN

Pentree's Project Engineers utilize the most current technology available for design of your project, providing accuracy, flexibility for modifications and clear, concise and understandable drawings. A well-designed project has more bidders with a closer spread in bids than a poorly designed project.

Pentree, Incorporated has earned a reputation among funding agencies and contractors for well designed projects resulting in more bidders and costs that meet funding allocations.

SURVEY

Pentree's survey department provides survey services and mapping utilizing top of the line equipment, operated by several full-time survey crews. In addition to stakeout and mapping, the department prepares plats and performs courthouse searches. We are also available to assist our clients in the acquisition of easements, right-of-ways and other property to enable the project to move forward efficiently and effectively. ***Pentree, Incorporated provides the experienced and knowledgeable survey personnel essential to expediting your project.***

CONSTRUCTION MANAGEMENT AND INSPECTION

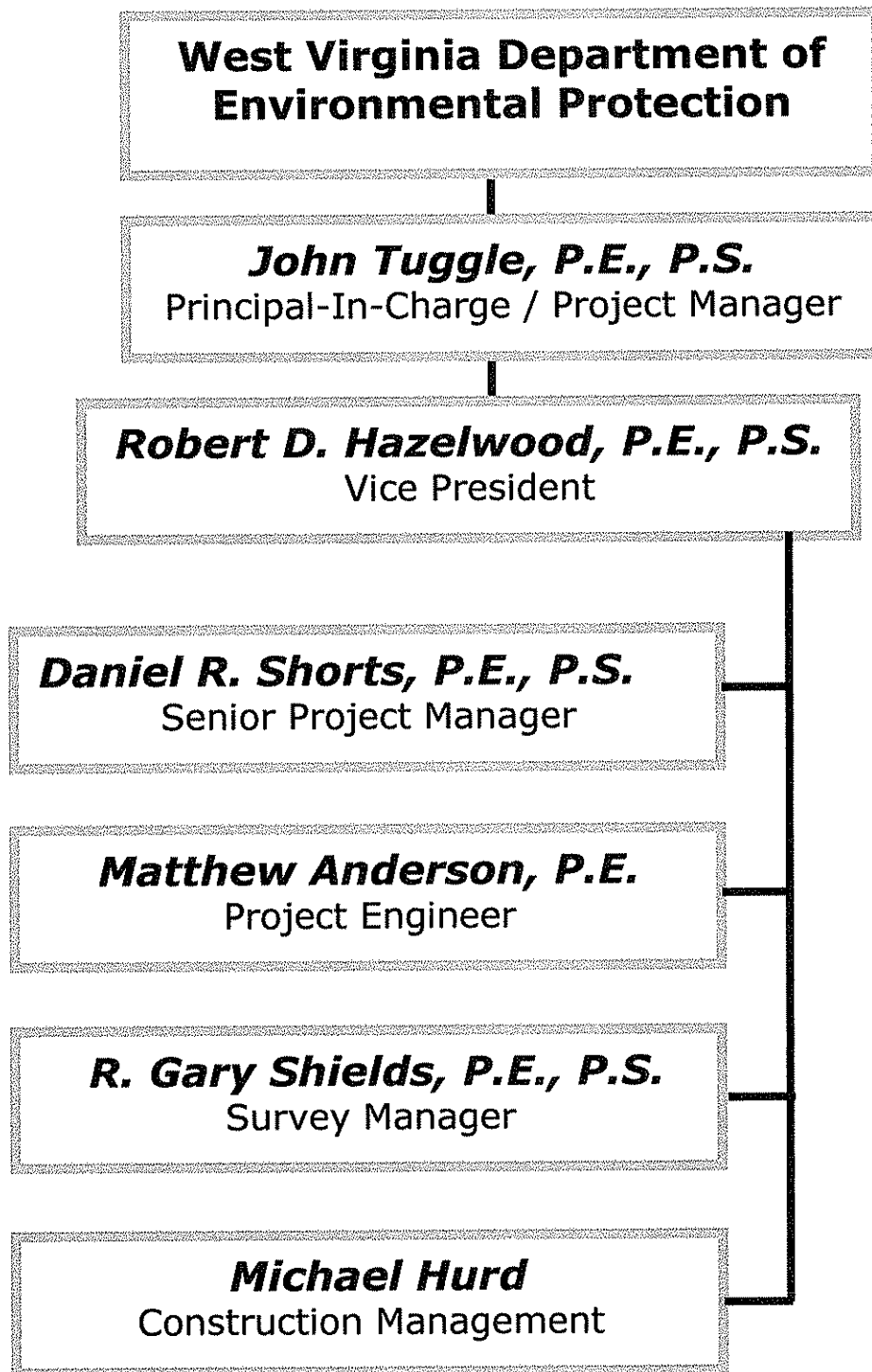
Over the past century, Pentree, Incorporated has developed and employed methods in our construction management and inspection process that have been proven effective and efficient. Our measures include daily logs and inspection sheets, cut sheets, quantity tracking and field drawings. Our approach to a successful construction project includes good interaction between the Engineer, Construction Manager and Owner, along with the use of Experienced Surveyors, Inspectors and Technicians. We strive for positive dealings with Contractors, Funding Agencies, Regulatory Agencies and we believe in teamwork with all parties involved with a project.

Pentree, Incorporated's team provides the communication needed and the documentation necessary to meet the client's needs and those of funding and regulatory agencies.

ON-GOING RELATIONSHIPS

Most importantly, we recognize that our client may look to us for assistance in a variety of areas long after construction is complete, and we offer that follow-up service without charge to our client. Our corporate mission is ***"To Establish and Maintain On-Going Relationships by Providing the Highest Level of Performance Possible Toward Attaining the Goals of the Organizations we Serve as we Strive to Enhance the Communities in Which we Live."*** Being there for our clients after their projects have been completed is just one way we strive to achieve our mission.

PROJECT TEAM



MANAGEMENT AND STAFFING

Pentree, Incorporated has dedicated personnel committed to providing superior service throughout all aspects of the engineering process, from consulting and planning through funding and preparation of documentation needed throughout the construction process to meet and exceed the requirements of the funding agencies.

Pentree, Incorporated offers a highly qualified and experienced staff to the WV DEP for the Coaldale/Bramwell Hill Waterline Extension Project. The Pentree, Inc. staff includes:

3 CIVIL ENGINEERS
1 SANITARY ENGINEER
1 STRUCTURAL ENGINEER
1 TRANSPORTATION ENGINEER
4 SPECIFICATION WRITERS
3 CADD OPERATORS
3 SURVEYORS
5 CONSTRUCTION INSPECTORS
3 PHOTOGRAMMETRISTS
2 ADMINISTRATIVE SUPPORT PERSONNEL

Pentree, Inc. is staffed with five registered professional engineers, four of whom are also licensed professional surveyors. Additionally, the staff of five construction inspectors and sixteen diversely skilled technicians and support personnel provides the resources and support necessary to provide our clients with the thorough and efficient services they desire and deserve.

THE WV DEP COALDALE/BRAMWELL HILL WATERLINE EXTENSION PROJECT TEAM

Pentree, Incorporated will assign a team of talented and experienced engineers and firm principals to the water line extension project. Each member of this team brings a specific area of expertise that is essential for a successful project

John Tuggle, P.E., P.S., President of Pentree, Inc. is the **Principal-In-Charge** and will serve as **Project Manager**. He is actively involved in the daily management of the firm. Mr. Tuggle's experience working with our clients during the funding process of infrastructure projects, including determining eligibility and feasibility, will be a strong asset to your project. Additionally, Mr. Tuggle's expertise and knowledge of the regulatory and permitting processes of the DEP will assure you of a quality project that meets your specifications.

Bob Hazelwood, P.E., P.S. will serve as **Chief Engineer** for the project. Mr. Hazelwood will be responsible for overseeing all technical aspects of the project. Mr. Hazelwood has over 25 years of experience in the evaluation and design of water and wastewater projects, specifically AML funded projects.

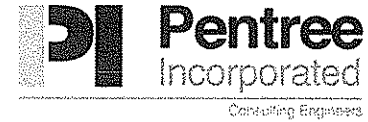
Daniel R. Shorts, P.E., P.S. will serve as **Senior Project Manager**. Mr. Shorts has extensive experience with the design and construction of water plants along with the associated storage and distribution systems. He also is well versed in all administrative aspects of projects.

Mr. Shorts will be assisted by, **Matthew Anderson, P.E.**, who will provide assistance for design. **Gary Shields, P.E., P.S.** provides supervision of the survey department at Pentree, Incorporated. He will assign, review and take ultimate responsibility for any survey work necessary for your project.

Construction Management and Inspection personnel will be under the direction of **Michael Hurd** who is highly qualified and experienced in construction management and inspection of water system projects.

Resumes for the team members follow.

JOHN TUGGLE, P.E., P.S.
PRESIDENT / PRINCIPAL-IN-CHARGE



PROJECT EXPERIENCE:

- **TOWN OF NORTHFORK WATER LINE**
EXTENSION – Principal-In-Charge
- **BERKELEY COUNTY PUBLIC SERVICE SEWER DISTRICT** BAKER HEIGHTS WASTEWATER TREATMENT PLANT, INWOOD WASTEWATER TREATMENT PLANT, ECOLAB AND APACHE PUMP STATION – Principal-In-Charge
- **JEFFERSON COUNTY PUBLIC SERVICE DISTRICT** BRECKENRIDGE PUMP STATION, NPDES PERMIT RENEWAL AND DISTRICT PLAN REVIEW; Principal-In-Charge
- **CITY OF MOUNT HOPE KILSYTH UTILITY** EXTENSION; Principal-In-Charge
- **ELKHORN PUBLIC SERVICE DISTRICT** SANITARY SEWER PROJECT - Principal-In-Charge
- **GREEN VALLEY-GLENWOOD COUNTY PUBLIC SERVICE DISTRICT** VARIOUS WASTEWATER PROJECTS – Project Oversight, Contract and Construction Administration
- **COWEN PUBLIC SERVICE DISTRICT** CAMDEN WATER TREATMENT PLANT UPGRADE AND WATER LINE EXTENSION PROJECT; SANITARY SEWER LINE EXTENSION PROJECTS – Project Manager, Contract and Construction Administration
- **MCDOWELL COUNTY PRISON SITE** DEVELOPMENT - Principal-In-Charge
- **WEBSTER COUNTY INDUSTRIAL PARK** – Project Manager, Contract and Construction Administration
- **WEST VIRGINIA DEPARTMENT OF TRANSPORTATION** DISTRICT 10 HEADQUARTERS COMPLEX – Project Manager, Contract and Construction Administration
- **GAULEY RIVER PUBLIC SERVICE DISTRICT** TWENTYMILE AND ROUTE 39 / PETERS CREEK WATER LINE EXTENSION PROJECT – Project Manager, Contract and Construction Administration
- **CITY OF OAK HILL SANITARY BOARD** WOLF CREEK PARK SANITARY SEWER SERVICE, FAYETTE PLATEAU PACKAGE PLANT AND POTENTIAL SANITARY SEWER PLANT UPGRADE; Principal-In-Charge
- **TOWN OF FAYETTEVILLE** NICKLEFILLE SEWER PROJECT – Principal-In-Charge
- **WYTHE COUNTY** FORT CHISWELL PLANT UPGRADE - Principal-In-Charge

PROFESSIONAL RESPONSIBILITIES:

Mr. Tuggle joined Pentree, Incorporated in 1985 and serves as President and Principal-In-Charge for the firm. His primary responsibility is the oversight of all firm projects.

Mr. Tuggle has extensive experience working with various regulatory and funding agencies, and is extremely knowledgeable of contract preparation, analysis and interpretation. He has also recommended and assisted numerous clients in securing the best source of funding to suit their needs.

Mr. Tuggle has been involved with various types of projects including:

- Water Treatment Plants
- Water System Upgrades
- Water Line Extensions
- Wastewater Treatment Plants
- Sanitary Sewer System Upgrades
- Sewer Line Extensions
- Storm Water Management
- Industrial Park Site Development
- Subdivision Development
- Highways and Roads
- Access Roads
- Bridges
- Airports

EDUCATION:

B.S. Civil Engineering Technology 1982
Bluefield State College

ACTIVE REGISTRATIONS:

Professional Engineer, 1988 #011845
State of West Virginia
Professional Surveyor
State of West Virginia
Class II Operator's License Water
Class II Operator's License Waste Water

ROBERT HAZELWOOD, P.E., P.S.

EXECUTIVE VICE-PRESIDENT



PROJECT EXPERIENCE:

- **GREENBRIER COUNTY PUBLIC SERVICE DISTRICT #2** SANITARY SEWER COLLECTION SYSTEM AND WASTEWATER TREATMENT PLANT – Design Engineer and Quality Control
- **RED SULPHUR SPRINGS PUBLIC SERVICE DISTRICT** VARIOUS SANITARY SEWER AND WATER PROJECTS – Design Engineer and Quality Control
- **RAVENSCLIFF-MCGRAWS-SAULSVILLE PUBLIC SERVICE DISTRICT** WATER PROJECTS – Design Engineer and Quality Control
- **GREEN VALLEY-GLENWOOD PUBLIC SERVICE DISTRICT** SANITARY SEWER PROJECTS INCLUDING A 1.5 MGD WASTEWATER TREATMENT PLANT, SEWER LINE EXTENSIONS AND UPGRADES – Design Engineer and Quality Control
- **EDRAY TECHNICAL PARK**, POCAHONTAS COUNTY, WEST VIRGINIA – Design Engineer and Quality Control
- **FOUNTAIN SPRINGS INDUSTRIAL PARK**, MONROE COUNTY, WEST VIRGINIA – Design Engineer and Quality Control
- **PETERSTOWN SATELLITE MEDICAL CLINIC ADDITION**, MONROE COUNTY, WEST VIRGINIA – Design Engineer and Quality Control
- **DEER RUN SUBDIVISION**; 13 LOTS ON 14 ACRES – Design Engineer and Quality Control
- **PLEASANT VALLEY ESTATES**; 23 LOTS ON 17 ACRES - Design Engineer and Quality Control
- **TWIN OAKS SUBDIVISION**; 18 LOTS ON 12 ACRES - Design Engineer and Quality Control
- **EASTERN WYOMING PSD**; MULLENS WYCO WATER PROJECT - WATER TREATMENT PLANT, WATER STORAGE TANKS, AN UPGRADE OF THE LOWER GULF WATER SYSTEM AND AN UPGRADE OF THE UPPER GULF WATER SYSTEM.

PROFESSIONAL RESPONSIBILITIES:

Mr. Hazelwood joined Pentree, Incorporated in 1979 and serves as Executive Vice President for the firm. In this capacity, his primary responsibility is to provide Quality Control and Quality Assurance for projects.

Mr. Hazelwood's experience includes preliminary and final design, preparation of contract documents and specifications and project management.

Additionally, Mr. Hazelwood has extensive knowledge working with regulatory agencies and in recommending and assisting clients in securing cost effective funding for their projects.

- Water Treatment Plants
- Wastewater Treatment Plants
- Storm Water Management
- Industrial Parks
- Airports
- Subdivisions
- Shopping Centers
- Access Roads

EDUCATION:

- M.S. Sanitary Engineering 1976
VPI and State University
- B.S. Civil Engineering 1975
West Virginia Institute of Technology

ACTIVE REGISTRATIONS:

- | | |
|-----------------------------|---------|
| Professional Engineer, 1980 | #008452 |
| State of West Virginia | |
| Professional Surveyor | #1179 |
| State of West Virginia | |

DANIEL R. SHORTS, P.E., P.S.

SENIOR PROJECT MANAGER



PROJECT EXPERIENCE:

- **AMERICAN ELECTRIC POWER** JARROLD, MILAM AND CARETTA SUBSTATIONS – Project Manager for the Site Development of the Electrical Substations
- **BLUERIDGE WOOD PRODUCTS** CYCLONE TOWER AND BUILDING RECONSTRUCTION – Project Manager and Structural Design
- **LOCHGELLY ROAD** – Project Manager for Sanitary Sewer Rehabilitation
- **JASON'S TRUCK WASH** – Project Manager for Site Development of the Facility
- **FORT CHISWELL** WWTP UPGRADE FROM .5 TO 1.25 MGD – Project Manager for Upgrade Design and Facilities Plan
- **OYLER AVENUE SIDEWALK PROJECT** – Project Manager for TEA-21 Project
- **WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DISTRICT 10 COMPLEX**, MERCER COUNTY, WEST VIRGINIA – Project Manager and Structural Engineer for Multiple Buildings, Access Road and Utility Plans
- **BERKELEY COUNTY PUBLIC SERVICE SEWER DISTRICT** INWOOD AND BAKER HEIGHTS WASTEWATER TREATMENT PLANTS – Structural Design of the Wastewater Treatment Plants and Other Associated Structures
- **WYCO-MULLENS REGIONAL WATER**, WYOMING COUNTY, WEST VIRGINIA – Structural Design of the Water Treatment Plant and Other Associated Structures
- **WISE COUNTY VIRGINIA PUBLIC SERVICE DISTRICT LOWER BIRCHFIELD WATER PROJECT** – Structural Design and Project Management for the 7-Mile Water Line Extension and an In-Pressure Reducing Station
- **COALFIELD EXPRESSWAY**, WYOMING AND MCDOWELL COUNTIES OF WEST VIRGINIA – Project Manager and Structural Engineering for the Study, Design and Construction Plans of this 4-Lane Interstate
- **CITY OF OAK HILL**, FAYETTE COUNTY, WEST VIRGINIA – Project Manager and Structural Engineer for the 5-Street Sanitary Sewer Project

PROFESSIONAL RESPONSIBILITIES:

Mr. Shorts has been a member of Pentree, Incorporated for over sixteen years. Throughout his employment Mr. Shorts has provided project management for over fifty projects. The scope of services he provides to projects includes design, site planning, access road development, utilities layout, survey, construction management and inspection.

His project experience extends to:

- Multi-Story Buildings
- Water Treatment Plants
- Water Distribution Systems
- Wastewater Treatment Plants
- Access Roads
- Highways
- Bridges

Mr. Shorts is a structural engineer and provides project management, design and construction inspection for all of the firm's bridge and highway projects, and other projects as needed.

EDUCATION:

- M.S. Civil Engineering, 2001
Virginia Tech University
- B.S. Civil Engineering, 1983
West Virginia Institute of Technology

ACTIVE REGISTRATIONS:

- Professional Engineer, 1995 #011840
State of West Virginia
- Professional Engineer, 1999 #034253
State of Virginia
- Professional Engineer, 2001 #27290
State of North Carolina
- Professional Surveyor, 1995
State of West Virginia

MATTHEW P. ANDERSON, P.E.

PROJECT MANAGER / ENGINEER



PROJECT EXPERIENCE:

- **GLEN WHITE-TRAP HILL** PHASE I WATER LINE EXTENSION – Rights-of-Way, Permitting and Drafting
- **EASTERN WYOMING PSD** MULLENS-WYCO WATER TREATMENT PLANT – Drafting, Design for New “Smaller” Plant System
- **TOWN OF DAVY BIG SANDY-ASCO WATER LINE EXTENSION** – Drafting
- **GREEN VALLEY-GLENWOOD PUBLIC SERVICE DISTRICT** – Route 20 Sandlick Drafting and Permitting
- **BLUEWELL PUBLIC SERVICE DISTRICT** WATER TREATMENT PLANT UPGRADE –Drafting
- **RED SULPHUR PUBLIC SERVICE DISTRICT** LINDSIDE SANITARY SEWER LINE EXTENSION – Drafting and Permitting
- **RED SULPHUR PUBLIC SERVICE DISTRICT** WASTEWATER SYSTEM UPGRADE – Drafting and Rights-of-Way
- **RED SULPHUR PUBLIC SERVICE DISTRICT** PHASE II WATER UPGRADES – Drafting
- **US GYPSUM** ROUTE 71 UTILITY RELOCATION, SALTVILLE, VIRGINIA – Pressure Testing
- **GAP MILLS PUBLIC SERVICE DISTRICT** WATER TREATMENT PLANT – Drafting
- **GREENBRIER VALLEY ECONOMIC DEVELOPMENT CORPORATION** EDRAV INDUSTRIAL PARK – Drafting
- **GREENBRIER VALLEY ECONOMIC DEVELOPMENT CORPORATION** RAHALL TECHNOLOGY AND BUSINESS CENTER – Survey, Design, Drafting on Second Site
- **BERKELEY COUNTY PUBLIC SERVICE SEWER DISTRICT** PUMP STATION #5 – Assisted on Report Preparation
- **SOUTHERN APPALACHIAN LABOR SCHOOL** NEW DORMITORY FACILITY – Architectural Design and Detailing, Site Design and Miscellaneous Drafting and Permitting
- **RAVENSCLIFF-MCGRAWS-SAULSVILLE PUBLIC SERVICE DISTRICT** JESSE MATHENY WATER PROJECT– Drafting, Design and Permitting
- **WYOMING COUNTY COMMISSION** WESTERN WYOMING COUNTY WATER STUDY – Drafting and Layout

PROFESSIONAL RESPONSIBILITIES:

Mr. Anderson joined Pentree, Incorporated in 2002 and serves as Project Manager and Engineer for the firm. In this capacity he has a variety of responsibilities including, but not limited to:

- Drafting
- Utility Design
- Site Design
- Permitting
- Specifications
- Technical Writing
- Hydraulic Analysis

Additionally, Mr. Anderson is experienced with Water CAD and other design and modeling programs.

EDUCATION:

B.S. Civil Engineering Technology - 1998
Bluefield State College Summa Cum Laude
B.S. Architectural Engineering Technology - 1999
Bluefield State College Summa Cum Laude

ACTIVE REGISTRATIONS/AFFILIATIONS:

Professional Engineer, 2005 #033121
State of Virginia
American Society of Civil Engineers

R. GARY SHIELDS, P.E., P.S. SURVEY MANAGER



PROJECT EXPERIENCE:

- **APPALACHIAN POWER COMPANY** – Survey Manager for Boundary and Topographical Survey and Control Stakeout
- **GLENFIELD SUBDIVISION**, MERCER COUNTY, WV – Survey Manager for Lot and Utility Design and Layout
- **RAHALL TECHNOLOGY CENTER**, GREENBRIER COUNTY, WV – Survey Manager for Elevation and Location Survey
- **MIDVOL**, MERCER AND McDOWELL COUNTIES, WV – Survey Manager for GPS Control Network for Aerial Mapping of 34,000 Acres of Coal Reserves
- **McKENZIE COMPANY**, GREENBRIER COUNTY, WV – Project Oversight of Boring Operation into Abandoned Mine for AML Mine Reclamation
- **GAULEY RIVER PUBLIC SERVICE DISTRICT** ROUTE 39/TWENTYMILE WATER LINE EXTENSION PROJECT – Survey Manager for Tank Site Survey
- **CITY OF OAK HILL PHASES II AND III SIDEWALK PROJECT** – Survey manager for the Site Survey and Construction Layout
- **CITY OF OAK HILL SANITARY BOARD** – Lead Surveyor for Elevation and Location Survey of Existing Sewer Lines
- **DAVY-BIG SANDY WATER**, McDOWELL COUNTY, WV – Survey of Railroad Crossings and Plant Site Upgrade, Prepared Permits for Railroad Crossing
- **LOCUST HILLS SUBDIVISION**, JEFFERSON COUNTY, WEST VIRGINIA – Survey Manager for Property Survey
- **PAGE KINCAID PUBLIC SERVICE DISTRICT** WATER LINE EXTENSION PROJECT – Survey Manager for GPS Survey
- **TOWN OF UNION**, WEST VIRGINIA PHASE III SIDEWALK PROJECT – Survey Manager for Site Survey
- **MONROE COUNTY BOARD OF EDUCATION** – Survey Manager for Drainage and Site Development Plan
- **COWER PUBLIC SERVICE DISTRICT** INDUSTRIAL PARK UTILITIES EXTENSIONS – Survey Manager for Construction Stakeout
- **CITY OF PRINCETON RESCUE SQUAD** – Survey Manager for Elevation Certificate
- **TOWN OF FAYETTEVILLE** HUSE CEMETERY AND MAUSOLEUM SURVEY & BOUNDARY & ANNEXATION SURVEY – Project Manager
- **M TRIPLE J, LLC** RESIDENTIAL SUBDIVISION – MERCER COUNTY, WV – Project Manager
- **CITY OF OAK HILL** WHITE OAK SEWER EXTENSION – Project Manager
- **TOWN OF RAINELLE** PROPOSED RAILROAD MUSEUM & POLICE STATION SURVEYS – Project Manager

- **APPALACHIAN POWER COMPANY** – McGRAW & SUBSTATION – WYOMING COUNTY, WV – Lead Surveyor

PROFESSIONAL RESPONSIBILITIES:

Mr. Shields joined Pentree, Incorporated in 2003 and serves as Survey Manager for the firm. Prior to his employment with Pentree, Mr. Shields worked as an Independent Licensed Land Surveyor. Currently, he supervises, assigns and reviews all of Pentree, Incorporated's survey activities.

Mr. Shields is extremely skilled in various types of surveys including, but not limited to:

- Control Surveys
- Topographical Surveys
- Boundary Surveys
- Easement Surveys
- Construction Layout
- GPS

In addition to Mr. Shields's experience as a surveyor, he is a Licensed Professional Engineer. In this capacity he is knowledgeable in the planning and design of storm water management systems, potable water systems and sanitary sewer systems. Furthermore, his experience encompasses preparation of specifications, permits and plans, and providing construction inspection for subdivision developments.

EDUCATION:

B.S. Civil Engineering Technology 1980
Bluefield State College

ACTIVE REGISTRATIONS:

Professional Engineer	, 1990	#10786
State of West Virginia		
Professional Surveyor	1982	#766
State of West Virginia		
Professional Surveyor	1986	#1545
State of Virginia		

MIKE HURD

LEAD INSPECTOR



PROJECT EXPERIENCE:

Mr. Hurd has performed inspection on waterline installation, water treatment plants, sewer collection lines, sewer treatment plants and sidewalk installation/rehabilitation for the following projects:

- **COWEN PUBLIC SERVICE DISTRICT**
CAMDEN WATER LINE EXTENSION – LEAD INSPECTOR
- **COWEN PUBLIC SERVICE DISTRICT**
WATER PLANT UPGRADE PROJECT – LEAD INSPECTOR
- **EASTERN WYOMING PUBLIC SERVICE DISTRICT** MULLENS-WYCO WATER SYSTEM EXTENSION PROJECT – INSPECTION AND CAD
- **GREEN VALLEY-GLENWOOD PUBLIC SERVICE DISTRICT** SANDLIKE WATER SYSTEM PROJECT – INSPECTION AND CAD
- **RED SULPHUR PUBLIC SERVICE DISTRICT** SANITARY SEWER UPGRADE PROJECT – INSPECTION AND CAD
- **RAVENCLIFF-MCGRAW-SAULSVILLE PSD** WATER PROJECT – LEAD INSPECTOR
- **COWEN P.S.D.** - SEWER SYSTEM TREATMENT PLANT
INDUSTRIAL PARK - WATER AND SEWER
- **SUGAR CREEK P.S.D** - WATER SYSTEM
- **Gauley River P.S.D.**- Water System
- **Oak Hill Sanitary Board**
Treatment Plant
- **Berkeley County P.S.S.D.**
Inwood Sewer Project
Airport Communities Sewer
- **Jefferson County PSD**
-Sewer System

PROFESSIONAL RESPONSIBILITIES:

Mr. Hurd joined Pentree, Incorporated in 1991, following six years of experience in the construction industry. He serves as Lead Inspector for the firm. He is responsible for drafting, inspection, inspection team oversight, courthouse research, acquisition of rights of ways, notarizing documents and monthly estimates.

EDUCATION:

West Virginia Institute of Technology/
Electrical Engineering Technology

PREVIOUS EXPERIENCE IN WATER SYSTEM PROJECTS

Over the past century, Pentree, Incorporated has surveyed, planned, designed and managed construction for numerous water system projects.

On the following pages are examples of specific recent projects that represent our abilities in water projects that are comparable in size and with the scope of services similar to the needs of the WV DEP Coaldale/Bramwell Hill Waterline .

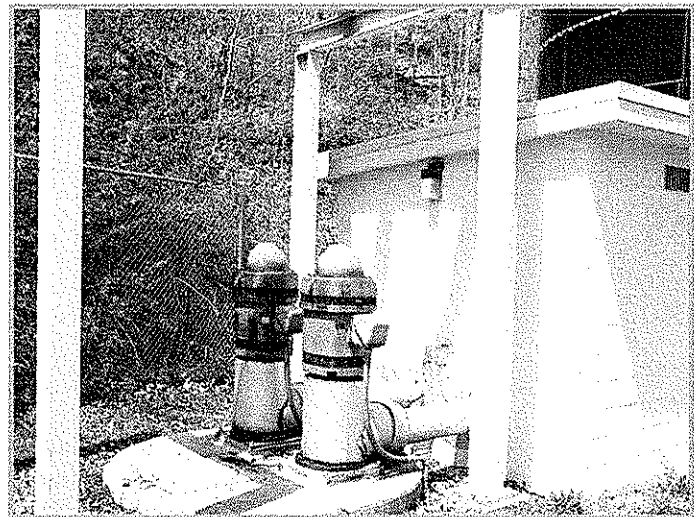
The representative water system projects are as follows:

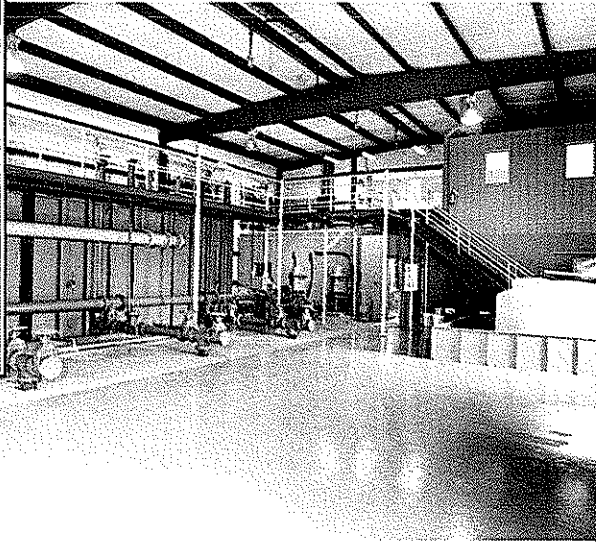
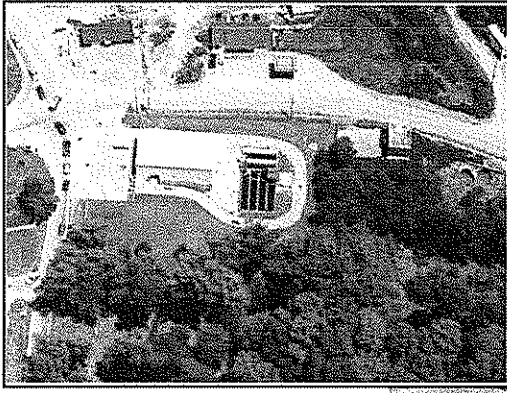
- Green Valley – Glenwood Public Service District
- Town of Union
- Ravenc Cliff-McGraw-Saulsville Public Service District
- Gauley River Public Service District
- Red Sulphur Public Service District – Phase I
- Red Sulphur Public Service District – Phase II
- Bluewell – Route 20 (Cooperative effort between Green Valley – Glenwood, Bluewell Public Service District and the Mercer County Commission)

References for each of these projects are included and we welcome you to contact them, most of whom are repeat clients.



*Twin Water Storage Tanks at Gauley River PSD
(above) Booster Station – (Below)*





Green Valley – Glenwood PSD

Owner/Contact:

Green Valley - Glenwood Public Service District
PO Box 6099,
Bluefield, WV 24701
304-325-6832

Water System Upgrade and Extension**Project Location:**

Mercer Co., WV

Responsibilities:

Structural Engineering
Civil/Site Engineering

Applicable Codes:

Local codes & ordinances
IBC
ADA

Project Cost:

\$4,770,000

Completion Date:

2005

The project done in two phases includes: upgrade of two existing water treatment plants (0.86 and 0.58 MGD), **an additional 600,000 gallons of water storage, repainting four existing water tanks;** and the extension of 38,000 lineal feet of 2" to 12" water mains, valves, hydrants, meters, and a 250 gpm booster station, to ultimately serve 3,300 Mercer County water customers. The project phases will be funded by USDA Rural Development Grants and Loans.

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports and studies
- Assist owner with applications for state and federal funding
- Preliminary and final design in accordance with federal, state & local requirements
- Preliminary and final base mapping
- Property acquisition
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection
- As-Built drawings
- Start up and close out assistance
-



EASTERN WYOMING PSD

Owner/Contact:

Eastern Wyoming Public Service District
P.O. Box 506
Logan, WV 25601
304-946-2641

Project Location:

Wyoming Co., WV

Responsibilities:

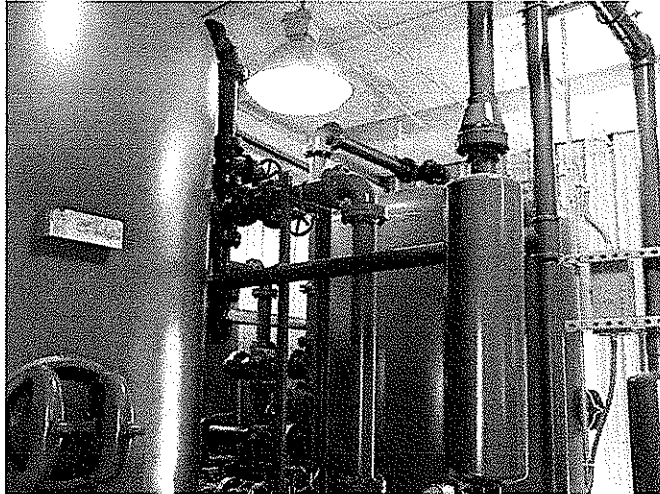
Structural Engineering
Civil/Site Engineering

Mullens-Wyco Water Project

Project consists of five contracts to improve and upgrade the Eastern Wyoming Public Service District's water system. ***This project includes a Water Treatment Plant, Water Storage Tanks, an upgrade of the Lower Gulf Water System and an upgrade of the Upper Gulf Water System.***

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports
- Assist owner with applications for state and federal funding
- Design, plans, and specifications in accordance with federal, state and local requirements
- Preliminary and final base mapping
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection.
- Start up and close out assistance



Ravenscliff-McGraws-Saulsville PSD

Owner/Contact:

Ravenscliff-McGraws-Saulsville PSD
P.O. Box 217
McGraws, WV 25875
Tel: 304-294-4511

Project Location:

Wyoming Co., WV

Responsibilities:

Structural Engineering
Civil/Site Engineering

Schedule (months):

Design –
Construction –

Applicable Codes:

Local codes & ordinances
IBC
ADA

The current .88 mgd water treatment plant, water storage facilities, and water transmission and distribution lines, were constructed in 4 project phases over the last 15 years to provide service for over 800 customers, including a 66 unit nursing home, 2 schools, a 4-H Camp, and Twin Falls State Park.

Keyrock Area Water Extension

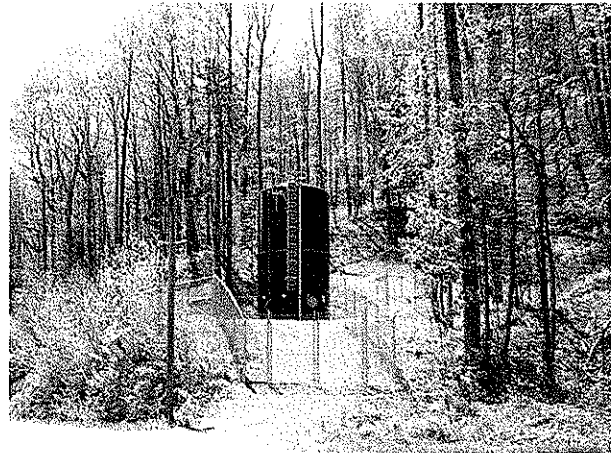
This project includes 89,000 lf of water main, 2 water storage tanks, and booster station(s), to extend service through rugged and remote sections of the county to provide water for approximately 156 new customers. Cost: \$4.3 million

Jesse-Matheny Water Extension

This project will consist of two phases and will include 97,000 lf of water main to serve approximately 477 new customers. Estimated Cost: \$5.9 million

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports and studies
- Assist owner with applications for state and federal funding
- Preliminary and final design in accordance with federal, state & local requirements
- Preliminary and final base mapping
- Property acquisition
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection
- As-Built drawings



Owner/Contact:
 Gauley River PSD
 P.O. Box 47
 Swiss, WV 26690
 Tel: 304-632-2508

Gauley River PSD

Water Line Extension and Water Storage

Project Location:
 Mercer Co., WV

Responsibilities:
 Civil/Site
 Engineering

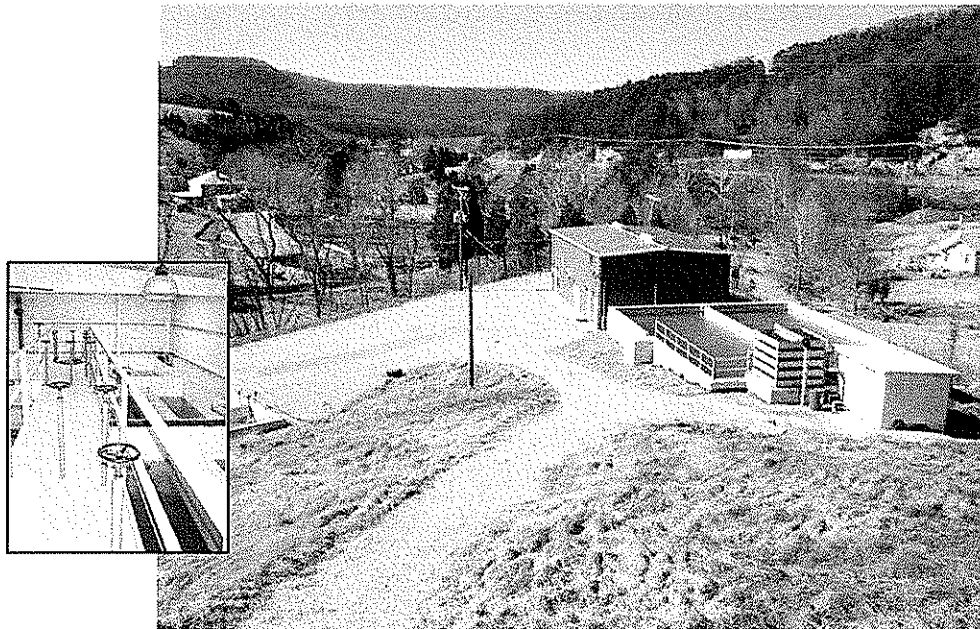
Schedule (months):
 Design –
 Construction –

This project consists of two water line extensions and water storage tanks. The twenty-mile water line extension project

includes a total of over 40,000 LF of 8", 6" and 2" water line. The Route 39/Peters Crook Water Extension project includes a total of over 74,000 LF of 8", 6", 4" and 2" water line in addition to two booster station installations and one booster station upgrade. The water storage tank portion of this project includes one 75,000 gallon and one 108,000 gallon tank.

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports and studies
- Assist owner with applications for state and federal funding
- Preliminary and final design in accordance with federal, state & local requirements
- Preliminary and final base mapping
- Property acquisition
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection
- As-Built drawings



Red Sulphur PSD-Greenville Water Extension

Owner/Contact:

Red Sulphur PSD
PO Box 697,
Peterstown, WV 24963
Tel: 304-753-4003

Project Location:

Monroe Co., WV

Responsibilities:

Structural Engineering
Civil/Site Engineering

Schedule (months):

Design –
Construction –

Applicable Codes:

Local codes & ordinances
BOCA
ADA

Project Cost:

\$4,228,000

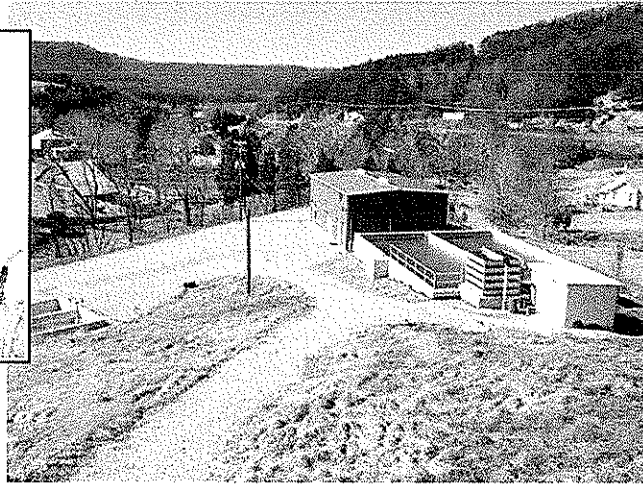
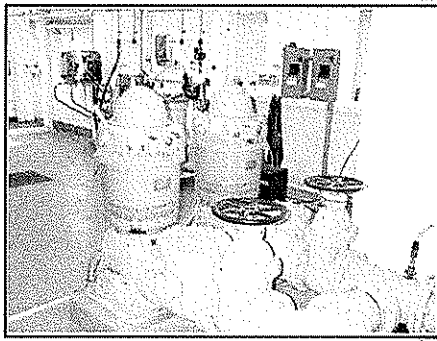
Completion Date:

2006

The Greenville Water Project extends water service to 157 additional customers in the Greenville and Wikel areas of Monroe County with an additional raw water source development at the 0.14 water plant, a 75 gpm booster station, **125,000 gallon water storage tank**, and 66,000 lf. of water lines, valves, hydrants and meters. Estimated cost is \$2,728,000 of USDA Rural Development grants and loans, and a \$1.5 million HUD Small Cities Block Grant.

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports
- Assist owner with applications for state and federal funding
- Design, plans, and specifications in accordance with federal, state and local requirements
- Preliminary and final base mapping
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection.
- Start up and close out assistance



Red Sulphur PSD- System Extension, Phase II

Owner/Contact:

Red Sulphur PSD
POB 697,
Peterstown, WV 24963
Tel: 304-753-4003

Project Location:

Monroe Co., WV

Responsibilities:

Structural Engineering
Civil/Site Engineering

Applicable Codes:

Local codes & ordinances
BOCA
ADA

Project Cost:

\$3,080,000

Extend water service to 206 additional customers in the Bozoo, Rock Camp, Cashmere and Lindsides areas of the county with an upgrade to the water plant settling basin and sludge disposal facilities, add a 150 gpm booster station, and 100,500 lineal feet of water line, valves, hydrants, and meters.

Over the last 15 years Pentree has assisted the Red Sulphur PSD with several projects to become the regional water system for the western portion of Monroe County (120 square miles). Funded by USDA Rural Development grants and loans, and West Virginia Governor's Grants. Upon completion of Phase II upgrades, and the future Greenville project, the Red Sulphur Public Service District will serve 1,992 water customers, with project totals over \$10 million from 1989 to 2006.

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports
- Assist owner with applications for state and federal funding
- Design, plans, and specifications in accordance with federal, state and local requirements
- Preliminary and final base mapping
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection.
- Start up and close out assistance



Bluewell PSD – Rt 20 Sandlick Water Project

Owner/Contact:

Bluewell PSD
P.O. Box 3066 Bluewell Station
Bluefield, WV 24701
Tel: 304-589-3470

Route 20 – Sandlick Water Project**Project Location:**

Mercer Co., WV

Responsibilities:

Civil/Site
Engineering

Applicable Codes:

Local codes &
ordinances
BOCA
ADA

Project Cost:

\$2,080,000

Extend water service to 200 additional customers, and providing an interconnect between Green Valley-Glenwood and Bluewell PSDs for a regional water bulk rate sales agreement. The project includes 41,000 lineal feet of water mains, valves, hydrants, meters, and a 750 gpm booster station. The \$2,080,000 costs will be funded with USDA Rural Development grant and loan.

PROFESSIONAL ENGINEERING SERVICES PROVIDED:

- Preliminary Engineering Reports
- Assist owner with applications for state and federal funding
- Preliminary and final design in accordance with federal, state & local requirements
- Preliminary and final base mapping
- Property acquisition
- Assist owner in acquiring permits and regulatory approvals
- Prepare bidding and contract documents, and bidding evaluations
- Construction administration, monitoring and inspection.
- Start up and close out assistance

REFERENCES

- **Gauley River Public Service District**
Russell Deering, Chairman
304-753-4003
- **Greenbrier Valley Economic Development Authority**
Dick Nevi, Executive Director
304-645-7155
- **Red Sulphur Public Service District**
Porter Robertson
304-753-4003
- **Greenbrier County Public Service District No. 2**
James Estep, Chairman / Rodney Knapp, Manager
304-438-9283
- **Jefferson County Public Service District**
Suzanne Lawton, Manager
304-725-4647
- **City of Oak Hill**
Tom Oxley, City Manager
304-469-9541

REGULATORY AND/OR FUNDING AGENCIES:

- **USDA Rural Development / RUS**
Randy Plum, Chief Community Program Director
304-284-4884
- **Region I Planning and Development Council**
David Cole, Executive Director
304-431-7225
- **Region IV Planning and Development Council**
W.D. Smith, Executive Director
304-872-4970
- **WV Infrastructure and Jobs Development Council**
Jeff Brady, Executive Director
304-558-4607