

**From:** Murphy, Patrick M <[Patrick.M.Murphy@wv.gov](mailto:Patrick.M.Murphy@wv.gov)>  
**Sent:** Wednesday, May 22, 2019 1:28 PM  
**To:** Whittaker, Frank M <[Frank.M.Whittaker@wv.gov](mailto:Frank.M.Whittaker@wv.gov)>; Thornton, Tammy S <[Tammy.S.Thornton@wv.gov](mailto:Tammy.S.Thornton@wv.gov)>  
**Cc:** Matkins, Christopher T <[Christopher.T.Matkins@wv.gov](mailto:Christopher.T.Matkins@wv.gov)>  
**Subject:** Purchase Memo - Verdunville Emergency Project

Frank/Tammy:

Please find attached a purchase memo for proposed emergency project "Verdunville (Spry) Drainage" for your use.

Should you need any additional information please let me know.

Thank You.

Patrick M. Murphy, P.E.  
Southern Emergency Engineer



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west virginia department of environmental protection

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Office of Abandoned Mine Lands  
1159 Nick Rahall Greenway  
Fayetteville, WV 25840  
Telephone (304) 574-4465

Austin Caperton, Cabinet Secretary  
dep.wv.gov

**MEMORANDUM**

**TO: Frank Whittaker, Assistant Director  
Acquisition & Contract Administration Section  
Purchasing Division**

**Tammy S. Thornton, Assistant Chief  
Administrative Services – Business and Technology Office**

**FROM: Patrick Murphy, Southern Emergency Engineer  
Abandoned Mine Lands and Reclamation** *PM*

**DATE: May 22, 2019**

**SUBJECT: Verdunville (Spry) Drainage  
Emergency Reclamation Project – Logan County**

A site visit was conducted on April 22, 2019 where a large quantity of water was observed coming from depressions (pothole) in the middle of the street. Field tests were conducted for Chlorine (ND), Ph (7.0) and Sulfates (>200 mg/L). In 2010, on an adjacent street (Honesty Lane), AML conducted work as part of the Mud Fork (Baisden) Drainage project. A series of underdrains were installed around houses, and in the street, to correct the same type of issue. It appears that the mine drainage that was impacting Honesty Lane may be impacting this street. It is believed that the water is flowing below the surface of the street causing piping issues that is resulting in holes forming in the road. If the issue continues, the problem could worsen, thus creating hazardous conditions for traffic along the street. Based on the previous investigation, the drainage appears to be originating from the Island Creek Coal Co. Mine No. 15 in the No. 2 Gas Seam, which ceased operation in the 1950's.

Based upon the conditions observed at the site and the potential for additional damage to vehicles, an emergency reclamation project should be conducted at this site.

Due to the scope of the project, the required design services to abate the problems at the site will have to be performed by an outside engineering firm. In accordance with Section 5G-1-4 of the State Code of West Virginia, since a special circumstance exists and the cost of the project is estimated to be less than \$250,000.00, I have the option of selecting an architectural/engineering firm on the basis of satisfactory performance and knowledge of the agency's needs. Therefore, I propose to utilize E.L. Robinson Engineering of Charleston, WV to perform the required services at the site. The estimated cost for these services should not exceed \$10,000.00. The estimated cost of the site reclamation portion of the project should not exceed \$75,000.00.

Please contact me at 304-574-4465 if you have any questions.

Promoting a healthy environment.