

# TENNESSEE REGULATORY AUTHORITY



460 James Robertson Parkway  
Nashville, Tennessee 37243-0505

November 10, 2010

Charles B. Welch, Jr., Esq.  
Farris Mathews Bobango, PLC  
618 Church Street, Suite 300  
Nashville, TN. 37219

Re: **Docket #10-00195** Petition of Renewco-Meadow Branch, LLC for a Special Permit to Install Glass Reinforced Epoxy (GRE) Thermoset Pipe

Dear Mr. Welch:

The Tennessee Regulatory Authority Gas Pipeline Safety Division (GPSD) has reviewed the petition for a special permit to install and operate glass reinforced epoxy (GRE) thermoset (Fiberspar) line pipe to transport natural (processed landfill) gas from the Meadow Branch Landfill facility northwest of Athens, Tennessee to a proposed interconnect at the East Tennessee Natural Gas transmission line. Based on the review of this information and further review of your petition for a special permit, the GPSD staff requests information and proposed actions on issues as follows:

1. According to the ASTM 2996 Designation, the design of the GRE pipe is based on static pressure conditions. Does the operation of the compressor station reflect static pressure conditions?
2. Will construction of the line include bends? If so, please provide information on bends such as material, short term burst pressure and method of connection to pipe if different from method/configuration for connecting pipe to pipe.
3. Will the design and installation (bedding and envelope) of the pipe include consideration of external loads along the alignment?
4. Has the transmission main alignment been evaluated with respect to class location and, if so, what is the highest classification along the alignment?
5. Are couplings, bends, end pieces, etc. designed, manufactured and installed to prevent diffusion of the gas into the fiberglass reinforcing?
6. What qualification and quality tests are conducted for pipe and fitting connectors?
7. What will be the maximum temperature of the input gas?
8. What is specifically intended to be waived relative to 49 CFR Part 192.123 and 49 CFR Part 192.619(a)?

Page 2

Mr. Charles B. Welch

November 10, 2010

9. Concerning the Alberta Energy samples that were reportedly the same after two years in service, how similar were the results to new Fiberspar pipe and which ASTM tests were used in the comparison?
10. What is the status of application to PHMSA with regard to the revision of §192.121?
11. What specification is being used for evaluation of reinforced epoxy resin fittings for this application?
12. The operator is proposing more stringent leak survey requirements. What are these more stringent requirements?

We look forward to continue working with Renewco-Meadow Branch, LLC in this endeavor and appreciate your assistance in clarifying the above issues. Should you have any questions or wish to discuss any issues or concerns, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry Borum", with a stylized flourish at the end.

Larry Borum, Chief  
Gas Pipeline Safety Division

c: Allen Spivey, Director, AGL Office of Corporate Engineering  
Richard Collier, TRA General Counsel  
TRA Docket File #10-00195