

August 22, 1972

Mr. M. L. Sneed, P.E.  
Senior Staff Engineer  
Sun Pipe Line Company  
P.O. Box 3187  
Longview, Texas 75601

Dear Mr. Sneed:

This is in response to your letter dated July 19, 1972, regarding the location of valves on a crude oil pipeline which will have a lake constructed across it in Nacogdoches County, Texas.

You indicated that a lake is to be constructed over your crude oil pipe and the lake will have:

- (a) a normal water elevation of 279 feet with 8500 linear feet of pipe under water.
- (b) a 100-year storm water elevation of 286 feet with 8720 linear feet of pipe under water.
- (c) a maximum design storm water elevation of 299 feet with 9230 linear feet of pipe under water.

You asked our assistance in determining the proper elevation in locating the valves for this pipeline which will be under the water.

Section 195.260(e) requires that the valves be located on each side of a water crossing that is more than 100 feet wide from high-water mark to high-water mark. Since the purpose of the requirement is to protect the waterway from contamination, the valves should be placed so as to best effectuate this purpose. In this particular instance, it appears that locating the valves based on the 100-year storm water elevation of 286 feet would adequately protect the lake.

We trust that this has answered your specific question. If we can be of further service in this matter, please let us know.

Sincerely,

/signed/

Joseph C. Caldwell  
Director

Office of Pipeline Safety