



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
400 NORTH STREET, HARRISBURG, PA 17120

IN REPLY PLEASE  
REFER TO OUR FILE

February 16, 2018

**REFERENCE:**  
L-01-18

Mr. Albert Kravatz, DOT  
NEB Compliance Specialist  
Energy Transfer  
Sunoco Pipeline L.P.  
4041 Market Street  
Aston, PA 19014

Dear Mr. Kravatz:

The PUC's Investigation and Enforcement Bureau's Safety Division is reviewing Sunoco Pipelines' Emergency Response Plans.

Due to the potential safety risks associated with the Sunoco Mariner East 1, 2 and 2X pipeline projects and to evaluate your company's contingency plans, the PUC's Safety Division requests Sunoco to submit on or before, March 12, 2018 the following:

- 1.) Provide a list of all valves for ME1, ME2, ME2X along with a map showing the locations of the valves.
- 2.) Provide HCA maps for ME1, ME2, ME2X.
- 3.) Identify which valves can be operated using SCADA (EFRD).
- 4.) Identify the distance between each valve.
- 5.) Identify the maximum amount of product, by volume and product type, that can be transported in each pipeline between the valves.
- 6.) Provide the response time to close each valve.
- 7.) For each type of product in the pipelines (including mixed products), provide a real time modeling result for the following:
  - a. Calculate the Immediate Ignition Impact Zone (IIIZ) for a pipeline failure in cold and warm weather. Model the IIIZ between each valve segment. Identify the population included within the zone. Include in the modeling the width and length of the evacuation zone and the estimated evacuation time frame. Also provide the Emergency Response Plans for this type of accident. List the parameters utilized to model the release. Finally, identify all schools, hospitals, nursing homes, etc. located within the IIIZ.

- b. Calculate the Buffer Zone for a pipeline failure that produces a flammable vapor cloud in cold and warm weather. Model this scenario between each valve segment. Identify the population included within the Buffer Zone. Describe the width/length of the vapor cloud modeled. Estimate the evacuation time frame. Also provide the Emergency Response Plans for this type of accident. Finally, identify all schools, hospitals, nursing homes, etc. located within the Buffer Zone.
- 8.) Documentation for Emergency Responder training for each section of pipe and vales on ME1, ME2 and ME2X.

This office is committed to ensuring that all natural gas companies comply with the provisions of the Public Utility Code. Therefore, you are advised that, if you fail to comply with the above requests this office will initiate all appropriate enforcement actions pursuant to the Public Utility Code against the utility and its officers, agents and employees.

Yours truly,



Paul J. Metro, Manager  
Safety Division  
Bureau of Investigation and Enforcement

PM:bb

PC: Richard A. Kanaskie, Director, I&E