

Supplemental Material Submitted by Middletown Coalition for Community Safety
Before the House and Senate Veterans Affairs and Emergency Preparedness Committees
16 November 2016

This document demonstrates an example of three schools in the Commonwealth of Pennsylvania that are located within the blast zone of the existing Mariner East 1 and proposed Mariner East 2 “Highly Volatile Liquids” NGL pipelines. The location of schools in proximity to the proposed ME2 pipeline was determined using the following method:

- 1) Mapped the ME2 centerline based on shapefiles supplied by the Department of Environmental Protection;
- 2) Obtained the locations of all public and private schools in PA from the PA Department of Education;
- 3) Calculated buffers of 1,100ft potential blast zone and 2,000ft potential thermal impact zone from the proposed centerline (based on analysis of MCCA structural engineer, assuming ignition occurs at the site of the leak, without extensive gas migration);
- 4) Determined all schools in the Commonwealth located within each respective buffer zone.

Based on this analysis, dozens of schools were found to be at risk. FracTracker is currently tallying these schools and conducting additional analysis for an upcoming article. In preparation for this article, FracTracker staff recently visited the sites of three schools identified as being within the most concerning 1,100ft blast zone. This document provides the mapped location of these schools along with a photograph taken on the ground from the perspective of the ME1 route, along which ME2 will also track. <http://www.fractracker.org/>

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Robert Reid Elementary School
201 Oberlin Rd., Middletown, PA, 17057 (Dauphin County)



Distance from centerline: 384ft. (within estimated 1,100ft blast zone)

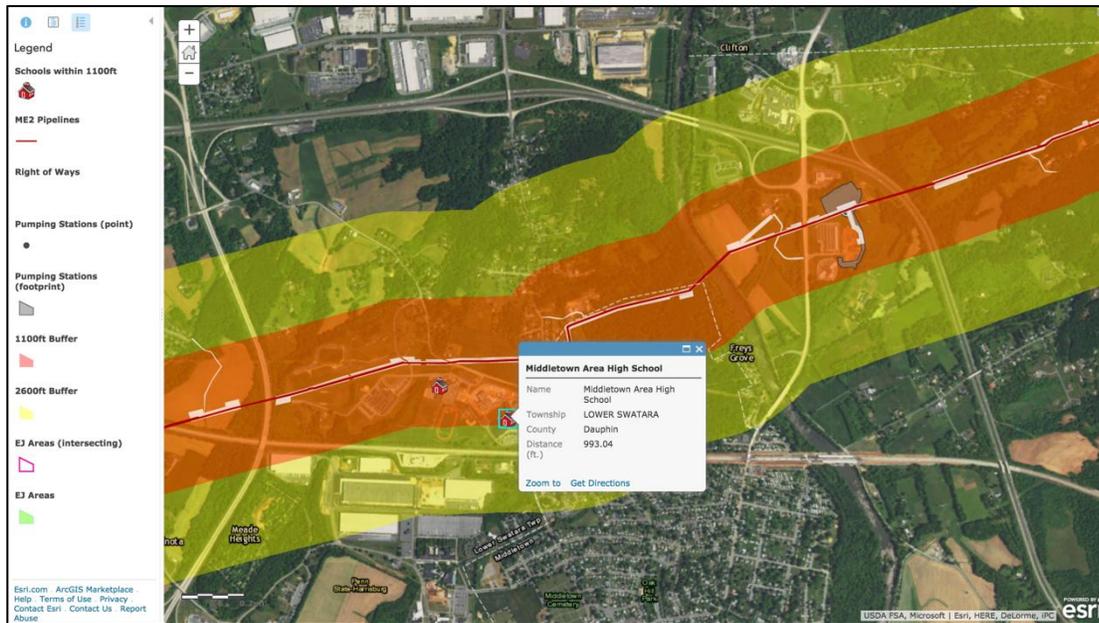


Photograph of school taken from location of ME1 right of way

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Middletown High School

1155 N Union St., Middletown, PA, 17057 (Dauphin County)



Distance from centerline: 993ft. (within estimated 1,100ft blast zone)



Photograph of school taken from location of ME1 right of way

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Yellow Breeches Educational Center

(a special needs charter school, formerly Frankfort Elementary)

3967 Enola Rd., Newville, PA 17241 (Cumberland County)



Distance from centerline: 961ft. (within estimated 1,100ft blast zone)



Photograph of school taken from location of ME1 right of way