



MarinerEastNews

SEPTEMBER 2017

Pipeline Construction Update

On Aug. 10, the Pennsylvania Environmental Hearing Board approved a stipulated agreement that will allow Sunoco Pipeline to proceed with horizontal directional drilling on the Mariner East 2 pipeline in a manner that demonstrates our commitment to the commonwealth and our neighbors to protect Pennsylvania's natural resources during construction.

Horizontal directional drilling at 16 drills throughout the state restarted in August, and other drills have been restarted in phases according to the conditions of the consent order, which includes:

- New, explicit notification requirements for residents
- New reporting requirements to the Pennsylvania Department of Environmental Protection (DEP), landowners and others
- In most cases, expanding the zone for well testing from 150 feet to 450 feet from the drill locations

- Changes to contingency plans for water sources, inadvertent returns and karst geology

We will continue to adhere to the strict conditions of our permits, including the enhanced standards for planning, outreach and reporting in the order, which is meant to minimize inadvertent returns of drilling mud and impacts to water supplies.

We have made significant progress on the construction of this project. We expect to have Mariner East 2 in service in the fourth quarter of 2017. ●

Pipeline Construction

Erosion and Sedimentation Controls

Sunoco Pipeline uses Pennsylvania DEP guidance documents and best engineering practices during construction to minimize uncontrolled surface water runoff and the migration of construction-generated sediment.

When developing the erosion and sedimentation (E&S) control plan, we apply the following general principles:

- **Planning:** We look at site topography, soil types and potential impacts of construction-related activities.
- **Minimizing Land Disturbance:** We evaluate practical ways to limit disturbed areas, as well as the duration of exposure to erosion elements.
- **Installation of Erosion and Sedimentation Controls:** We construct, stabilize and check E&S controls before construction activities begin in a specific area.
- **Maintaining E&S Controls:** Until the construction site is stabilized, E&S controls are maintained. These include cleanout, repairs, replacements, regrading and other methods, as well as inspections on a weekly basis and after significant rainfall events.
- **Stabilization of Disturbed Areas:** Methods such as reseeded and re-mulching are used to stabilize the site during significant disturbance events and remain in place until permanent stabilization is achieved. ●



Compost-filled mesh socks help to control erosion and retain sediment in construction areas. These erosion controls trap sediment and pollutants, while allowing filtered water to pass through.

Contact Sunoco Pipeline

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Sunoco Pipeline is dedicated to providing project information and construction updates to residents and local officials in the communities where we live and operate our Mariner East system. This regular publication will provide project updates; interested recipients can sign up at www.marinerpipelinefacts.com.



Mariner East 2 – Chester and Delaware Counties

Sunoco Pipeline has segmented the construction of the 350-mile pipeline into seven sections from Ohio to southeast Pennsylvania. In keeping with our commitment to regular communication with local leaders and the community, each construction “spread” has an individual point of contact for community affairs.

Spread 6 is approximately 35 miles and includes communities in Chester and Delaware counties.

Construction Update

Construction continues in every municipality within Segment 6, and crews continue to make significant progress.

Our construction crews in Segment 6 along the Mariner East 2 pipeline have worked more than 500,000 hours.

Construction activities include:

- Clearing activities of the work sites and path of the pipe are nearing completion.
- Crews continue to progress on stringing, bending, welding and lowering the 20-inch pipeline along the right of way. Stringing is the laying out of pipe segments along the right of way, and bending is the shaping of pipe segments to fit the contours of the route.
- Crews are continuing grading activities and pipeline fabrication work at valve site locations.
- Six conventional boring machines are deployed to safely install the 20-inch and 16-inch pipeline beneath roads and some highways. More than half of the road bores in Chester and Delaware counties have been completed.
- Construction of the 16-inch pipeline, while in the early stages, is beginning to move forward as road bores are

completed, and progress is being made to string, bend, weld and coat the 16-inch pipeline along the right of way.

Following notifications and procedures in accordance with the Environmental Hearing Board settlement agreement, some horizontal directional drilling activities have restarted in the following townships: Upper Uwchlan, Uwchlan, West Whiteland, East Goshen, Middletown, Aston, Upper Chichester and Chester.

Municipalities where the drills have resumed have been notified, and notifications will be made to municipalities where additional drills will start in the coming weeks. In the meantime, other drill locations are maintained daily.

Crews continue to work primarily daytime hours, six days a week; however, some work will take place on Sundays during daytime hours in accordance with township ordinances.

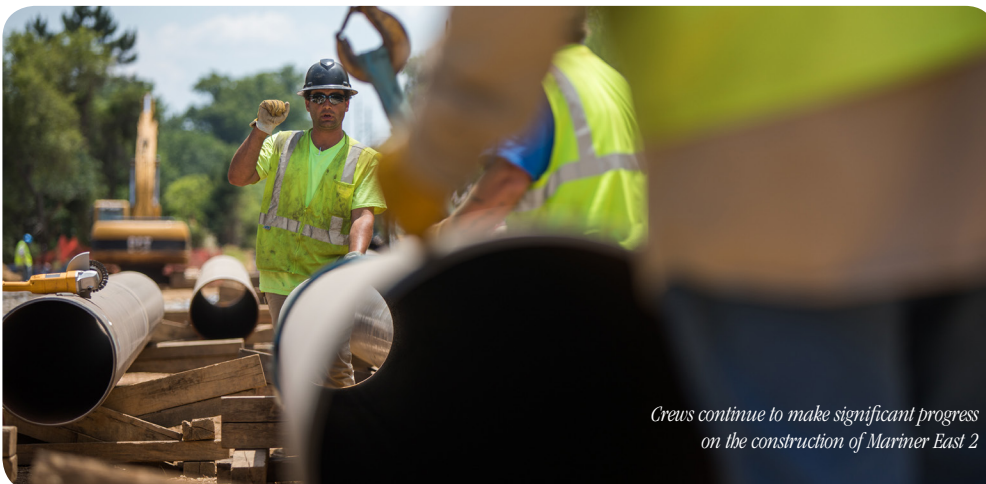
We are deeply committed to our core values of safety, security and environmental stewardship, and these values will guide everything we do during construction of Mariner East 2.

We will continue to provide regular updates to local stakeholders in addition to this construction newsletter. ●

Did You Know?

Sunoco Pipeline’s public awareness program strives to increase knowledge and understanding of the pipelines within the communities where we operate. Through our Mariner Emergency Responder Outreach (MERO) training, we have trained more than 1,300 emergency responders along our Mariner East corridor.

The public awareness team will host the next round of MERO training sessions into fall. For more information regarding upcoming training sessions, please contact your community affairs representative in your construction spread.



Crews continue to make significant progress on the construction of Mariner East 2

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