

# Community Update

ISSUE THIRTEEN

FALL 2015

News and  
Information  
about the  
Former York Naval  
Ordnance Plant  
(FYNOP)

## Cleanup Plans and Progress

**P**rogress continues at the Former York Naval Ordnance Plant (FYNOP) located in York, Pennsylvania. The FYNOP includes property currently owned by Harley-Davidson Motor Company Operations, Inc. and the York County Industrial Development Authority. The FYNOP was the first site in the nation to volunteer and enroll in the One Cleanup Program. Under the One Cleanup Program, the United States Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP) work together on overseeing the cleanup of the affected soil and groundwater at the FYNOP.

### Phases of Cleanup

The cleanup of soils and groundwater are addressed in three major phases. Studies in these three phases have been proceeding individually and at different rates for soils and for groundwater:

- **Supplemental Remedial Investigation (SRI)** - Define and evaluate the nature and extent of the contamination of soils and groundwater.
- **Risk Assessment (RA)** - Analyze the potential risks from exposure associated with the levels of impacts found in soils and groundwater to humans, users of the site, and the ecological resources.
- **Remedial Alternatives Analysis (RAA)** - Using the data from the SRI and RA, study all possible cleanup remedies and provide the basis for a final selection of the best way to clean up the soils and the ground water.

### Soils

Currently, no unacceptable risk to human health related to impacted soil at the FYNOP exists.

The EPA and the PADEP approved the SRI Report for Soils in 2010. A site-wide Soil RA Report was approved by EPA and PADEP in 2012. An evaluation of Remedial Alternatives for impacted soil is underway. A Part 1 - RAA Report was submitted during the fall of 2014 and completion of the RAA is anticipated during the first quarter of 2017.

### Groundwater

Part 1 of the SRI for groundwater was approved by EPA and PADEP in early 2012. It recommended certain additional investigation activities, which were detailed in a Field Sampling Plan for the SRI for groundwater - Part 2 initiated in 2012.

During 2015, field activities were completed for the Part 2 SRI, and the report is nearly complete. Groundwater Risk Assessment activities, and the site-wide Remedial Alternative Analysis continued. The final phase of off-site well drilling in the area south of the Harley-Davidson manufacturing facility was completed during the first and second quarter of 2015. The findings of the investigation were summarized in a report presented to the PADEP and USEPA. USEPA completed their review of the investigation report and issued a revised Environmental Indicator Determination.

USEPA's fact sheet ([www3.epa.gov/reg3wcmd/ca/pa/webpages/pad001643691.html](http://www3.epa.gov/reg3wcmd/ca/pa/webpages/pad001643691.html)) for the site sets forth its determination, which states, "After an investigation of the potential for vapor intrusion of groundwater contaminants near the southeast corner of the facility in early 2015 demonstrated that contaminant concentrations in off-site groundwater did not exceed EPA's vapor intrusion screening levels, EPA determined that human exposures to contamination are under control at the Facility."

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## Groundwater (continued)

Annual sampling of “key” wells will be completed in the fall of 2015, along with an evaluation of the surrounding surface water conditions. A final report of the findings of the SRI for Groundwater – Part 2 will be issued during the first quarter of 2016.

The results of the Soil and Groundwater SRIs and the Soils and Groundwater RAs will form the basis for the selection of future cleanup actions. An evaluation of Remedial Alternatives for impacted soil and groundwater is underway. A Part 1 – RAA Report was submitted during the fall of 2014 and completion is anticipated during the first quarter of 2017.

## Groundwater Treatment System & Water Quality Monitoring

Harley-Davidson has operated a groundwater treatment system on its' property for more than 20 years and expects to continue operation for several years into the future. Harley-Davidson continues to evaluate the reliability, efficiency and operation of each component of the treatment system. Special emphasis is placed on compliance with applicable permits, operational reliability and efficiencies in operation and maintenance.

Based on groundwater monitoring data collected to date, large reductions (over 90% in most wells) in concentrations of the chlorinated solvents used during historic degreasing operations at the FYNOP have occurred. These are the primary constituents of concern at the FYNOP, and demonstrate that remediation to date has been successful in addressing those concerns.

## Military Munitions Response Program Site Inspection

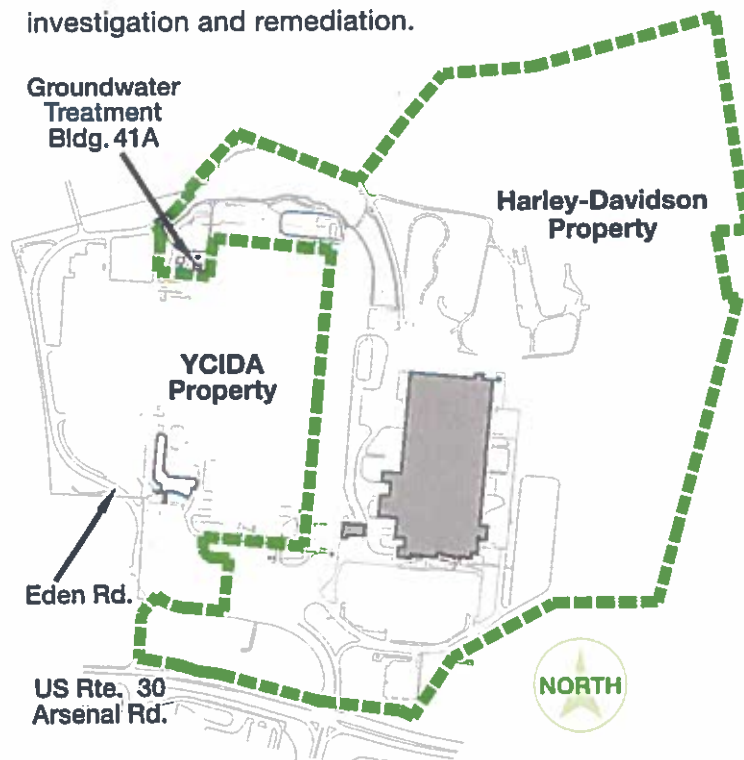
The United States Army Corps of Engineers (USACE), in response to the Military Munitions Response Program (MMRP) for formerly used defense sites, initiated an evaluation of the Harley-Davidson property in 2006 to determine if the FYNOP site warranted further cleanup of munitions and explosives of concern, or if the site qualified to proceed to a “no further action” status with the Department of Defense.

The final Site Inspection Report for the FYNOP was issued by USACE in 2008 and remedial investigation work was recommended at various locations at the site. Although no hazard exists to the public, Harley-Davidson implemented precautionary measures (such as signs, locks, barricades and fencing) to secure old building structures and potential ordnance hazard areas from contact with plant employees and contractors. In 2013, Harley-Davidson and the U.S. Government entered into an agreement to complete the investigation and clean-up of the former munitions areas at FYNOP. Under this agreement, Harley-Davidson will perform and manage the work with input from the USACE.

In 2015, a work plan to conduct the remedial investigation of the Munitions Response Areas at the FYNOP was submitted to the regulators and Phase 1 of the work was completed. An addendum to the work plan detailing the Phase 2 activities is expected to be prepared by the end of 2015. The Phase 2 field activities and reporting will be performed during 2016.

## Status of the Western Portion of FYNOP

As part of the consolidation efforts, Harley-Davidson sold approximately 58 acres of its property to the York County Industrial Development Authority (YCIDA) in June 2012. The YCIDA is evaluating options for the future development of the property. Harley-Davidson and the U.S. Government, as part of their existing cost share agreement, have retained all environmental liability and obligations relating to the current environmental conditions on the YCIDA property. Harley-Davidson will retain access to the YCIDA property, including all monitoring wells and remediation facilities/utilities to complete the investigation and remediation.



Former York Naval Ordnance Plant  
York, Pennsylvania

## For More Information

Information Line: 717-852-6664

### Websites:

[www.yorksiteremedy.com](http://www.yorksiteremedy.com) (contains reports and other documents regarding remediation of the FYNOP)

[www.epa.gov/reg3wcmd/ca/pa.htm](http://www.epa.gov/reg3wcmd/ca/pa.htm)

[www.dep.state.pa.us](http://www.dep.state.pa.us)

