

Community Update

ISSUE SIXTEEN

FALL 2018

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



Cleanup Plans and Progress

Progress 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. (Harley-Davidson) and a western parcel now owned by NP York 58, LLC (NP York). The U.S. Government (overseen by the U.S. Army Corps of Engineers (USACE)) and Harley-Davidson (collectively, the “fYNOP Team”) perform the investigation and remediation activities at the fYNOP pursuant to an agreement between the United States and Harley-Davidson. The fYNOP was the first site to volunteer and enroll in the One Cleanup Program between the U.S. Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP) whereby EPA and PADEP work together to oversee the cleanup.

The reports and studies identified below are available to the public at: www.yorksiteremedy.com.

Phases of Cleanup

The cleanup of soils and groundwater is addressed in four major phases:

- **Remedial Investigation (RI)** – Define and evaluate the nature and extent of the soils and groundwater contamination. The RI has also included a supplemental remedial investigation (SRI) to further evaluate site conditions.
- **Risk Assessment (RA)** – Analyze the potential risks from exposure associated with contaminant levels in soils and groundwater that may have impacts to humans, users of the site, and the ecological resources.
- **Remedial Alternatives Analysis (RAA)** – Using the data from the RI/SRI and RA, study possible cleanup remedies and provide the basis for a final selection of the best means to clean up soils and the groundwater.
- **Proposed Plan – Final Remedy (PP-FR)** – Using the data from the RI/SRI, RA, and RAA select the most appropriate remedy to clean up soils and the groundwater at fYNOP.

Soils

Soils have been extensively sampled. The EPA and the PADEP approved the SRI Report for Soils in 2010. A site-wide Soil Risk Assessment Report was approved by EPA and PADEP in 2012. Both agencies have determined that no unacceptable risk to human health related to soil exists at the fYNOP. Much of the area of contamination is now encapsulated under the NP York distribution center in a manner that was approved by EPA and PADEP.

Groundwater

Part 1 of the supplemental remedial investigation (SRI) for groundwater was approved by EPA and PADEP in early 2012. The SRI recommended certain additional investigation activities, as detailed in the Field Sampling Plan for the SRI for groundwater. That Part 2 investigation commenced in 2012.

During 2016, the fYNOP Team completed the Groundwater SRI and Risk Assessment. The findings of the site-wide groundwater investigation and the site-wide

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Groundwater (continued)

groundwater human health RA were summarized in reports to the PADEP and EPA in September 2016. The fYNOP Team addressed PADEP and EPA comments, finalized the reports, and submitted them in March 2018. PADEP and EPA issued letters of approval of the revised groundwater SRI and Risk Assessment reports in July 2018.

As part of the response to PADEP and EPA comments on the SRI and Risk Assessment, the fYNOP Team initiated activities to further assess groundwater conditions, and to evaluate potential groundwater remedial options for the southern portion of the fYNOP site. As a result, a shallow groundwater extraction system was designed and installed for this portion of the site during 2018. A final SRI report for the southern portion of fYNOP, along with details of the system design, construction, and startup of a groundwater extraction system along the southeast corner of fYNOP will be submitted during the fourth quarter of 2018.

Military Munitions Response Program Site Inspection

The USACE, in response to the Military Munitions Response Program (MMRP) for formerly used defense sites, determined that remedial investigation work was recommended at various locations at the site. Although no hazard exists to the public, the fYNOP Team implemented precautionary measures (such as signs, locks, barricades and fencing) to secure old building structures and potential ordnance hazard areas from contact with employees and contractors.

In 2016, a work plan to conduct Phase 2 of the remedial investigation (RI) of the Munitions Response Areas at the fYNOP was submitted to and approved by the regulators, and the RI field work was completed that same year. This work identified several ordnance items requiring removal or detonation. The Final MMRP RI report was prepared and submitted to EPA and PADEP in April 2018. The PADEP and the EPA approved the MMRP RI report in July 2018.

Groundwater Treatment System and Water Quality Monitoring

The fYNOP Team has operated a groundwater capture and treatment system for more than 25 years. The fYNOP Team 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. Notifications and modifications were completed for the system permitting to allow addition of the new groundwater extraction system along the southeast corner of fYNOP during 2018.

Chlorinated solvents are the primary constituents of concern at the fYNOP site. Based on groundwater monitoring data collected to-date, there have been large concentration reductions (over 90% in most wells) of the historically used chlorinated solvents. The significant reduction in concentrations over time demonstrates that remediation to-date has been successful. The fYNOP Team completed annual sampling of monitoring wells during October 2018. The results are under evaluation and will be reported in the 2018 Annual Groundwater Report to be issued during the first quarter 2019.

Status of the Western Portion of fYNOP (West Campus)

Harley-Davidson sold approximately 58 acres of the western portion of its plant property (i.e., the West Campus) to the York County Industrial Development Authority in June 2012. In November 2015, the West Campus ownership was transferred to the Redevelopment Authority of the County of York (RACY). Property transfer was completed between RACY and NP York in early January 2017. Construction of a 755,000 square-foot warehouse, known as the Eden Road Logistics Center, on the site is complete.

Harley-Davidson and the U.S. Government, as part of their existing cost share agreement, have retained environmental liability and obligations relating to the pre-sale environmental conditions on the West Campus. The fYNOP Team retains access to the West Campus property, including all monitoring wells and remediation facilities/utilities necessary to complete the investigation and remediation.



Remedial Alternative Analysis (RAA)/Proposed Plan – Final Remedy (PP-FR)

The RAA/PP-FR for soil, groundwater, and MMRP areas at fYNOP is currently in preparation. The fYNOP team anticipates completion of the RAA/PP-FR during the fourth quarter of 2018.

During 2019, the fYNOP Team will work with PADEP and EPA to select the Final Remedy for the site, including the MMRP areas. When finalized, details will be presented to the stakeholders in a special newsletter. The fYNOP Team anticipates that the selection of the Final Remedy will be completed in 2019 and implementation will occur shortly thereafter.

For More Information

Information Line: 717-852-6664

Websites:

www.yorksiteremedy.com (contains reports and other documents regarding remediation of the fYNOP)

www.epa.gov/reg3wcmd/ca/pa.htm

www.dep.state.pa.us