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**JKLM ENERGY PROJECT UPDATE, OCTOBER 6**

**144 Water Samples Received to Date; No Additional Detections of Isopropanol or MBAS;  
Four Impacted Water Sources Now Below Detection Limits for MBAS and Isopropanol**

WEXFORD, Pa. (Oct. 6) – JKLM Energy, LLC issued the following update to the public regarding the company’s continuing response to the release of drilling chemicals at its Sweden Township, Potter County wellpad. These updates and related information are available at a project-specific website:

[www.northhollowresponse.com](http://www.northhollowresponse.com)

As of October 5, 2015, JKLM Energy, LLC has received a total of 144 lab results (107 initial tests, 37 follow-up tests) from water source samples near the Reese Hollow 118 wellpad. Updated results are summarized as follows:

	<u>MBAS</u>	<u>IPA</u>	<u>Acetone</u>
<i>Non-Detect</i>	99	107	103
<i>Trace</i>	7	0	4
<i>At or Above Standard</i>	1	0	0
<b>Total</b>	<b>107</b>	<b>107</b>	<b>107</b>

The chart above indicates the total number of water sources sampled and analyzed to date (107), updated to reflect follow-up sampling. It includes results for the presence of methylene blue activated substances (MBAS), analyzed to determine the general presence of soap-like constituents contained in the surfactant that was placed in the wellbore; isopropanol (IPA); and acetone, a constituent expected to be found as isopropanol breaks down in the environment.

A total of five samples were found early in the investigation process with levels of MBAS above the U.S. Environmental Protection Agency’s non-health based secondary standard of 0.5 parts per million (ppm). As cited previously, a single sample was found at Pennsylvania’s Act 2 standard for isopropanol (15 ppm) for residential aquifer use during the same time period. That source now has no detectable quantities of isopropanol. As previously reported, there have been no samples above the state standard of 33 ppm for acetone.

Updated sampling indicates that four impacted water sources are now below detection limits for MBAS, defined as above the laboratory detection limit, but below the USEPA secondary standard.



Although four sources have had trace amounts of acetone, all four were well below the drinking water standard.

Toxicologist Bruce E. Fishman, Ph.D., DABT issued the following statement on behalf of JKLM regarding the recent water sampling trends:

“Based on a review of the constituents present and sampling results associated with the Reese Hollow release, it appears the substances of interest have decreased rapidly. As has been noted, isopropanol (isopropyl alcohol) breaks down readily in the environment. The detected result reported in one residential well has dissipated. The results for the surfactant (soapy material) in other locations that were above the USEPA secondary standard (based on appearance - not a health based standard) also have dissipated. The breakdown product of isopropanol, acetone, has been reported at trace levels in a few locations, as would be expected since it forms as isopropanol breaks down. While continued sampling in select locations should be conducted to ensure there are no further detections, it appears the surfactant released to the groundwater is dissipating readily, consistent with historical research.”

JKLM is continuing to work closely with local officials as well as the DEP to limit the release’s impact to the community and restore the local water aquifer to pre-drilling quality. Local residents with questions or who notice a change in their water quality may contact Dean Boorum, JKLM’s community liaison, at (814) 598-3960.

The JKLM Community Outreach office is open at 200 N. West St. in Coudersport and will be staffed from 9:00 AM to 7:00 PM, Monday through Friday. The public is invited to visit the office to talk with project managers, and view maps and related information about the company’s response efforts. JKLM remains committed to its partnership with local residents, as well as to open lines of communication with local and state officials and affected property owners.

In light of the substantial improvement to impacted water sources and the expectation that no additional impacts will be identified, JKLM will be moving to twice-weekly news updates, issued on Mondays and Thursdays.

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*About JKLM Energy, LLC: JKLM is a privately held oil and gas producer headquartered in Wexford, Pa. The company is conducting operations at locations in Potter County.*