

Lockheed Martin acquired the former American Beryllium Company at 1600 Tallevast Road as part of its 1996 acquisition of Loral Space & Communications Ltd. Lockheed Martin ceased operations in 1996 and sold the property in 2000. During its environmental assessment in preparation for selling the property, Lockheed Martin discovered groundwater contamination of volatile organic solvents. The State of Florida and Manatee County were notified of the findings. As the environmental assessment expanded off of the ABC property, the public was notified in late 2003 of the groundwater contamination. Since then, a full-scale, cooperative effort has been ongoing in Tallevast for more than two years to assess the contamination, map the groundwater plume, provide water for the community and prepare for remediation to ensure public health and safety. While Lockheed Martin no longer owns the facility, it has assumed responsibility for the cleanup associated with the contamination from the site.

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STATE APPROVES TALLEVAST SITE ASSESSMENT REPORT

FDEP Directs Lockheed Martin To Move Forward On Clean-up Plan

The Florida Department of Environmental Protection (FDEP) recently approved the Site Assessment Report Addendum 3 (SARA 3) and several supplemental information submittals, concluding that Lockheed Martin has adequately characterized the nature of the soils and groundwater in Tallevast as well as the horizontal and vertical extent of the contamination associated with the former American Beryllium Company. The FDEP also agreed with Lockheed Martin that the site was sufficiently characterized such that the company should proceed to develop an overall cleanup plan for the site.

"This represents a major step forward – completion of the investigation phase is a real milestone," said Dr. Tina Armstrong, Lockheed Martin's senior remediation manager. "We're looking forward to getting the full-scale cleanup underway."

Lockheed Martin has until December 24, 2006 to submit an overall cleanup plan to the State. The cleanup plan must take into account the full extent of groundwater contamination as described in the SARA 3, including information from private water supply wells in the Tallevast community.

The FDEP noted in its approval letter that review comments from both Dr. Tim Varney of Tampa-based Environ and Michael Graves of Lakeland-based Environmental Science & Technology (EST) were considered prior to granting approval of the report, as was independent testing data generated by EST.

In its approval letter, the FDEP urged caution in interpreting low-level concentrations of 1,4-dioxane, indicating that "...conclusions as to the presence/absence or levels of contamination should be based on the weight of the sampling evidence rather than the results of a single laboratory data point."

The FDEP also indicated that private well data is generally not used for contamination delineation or remediation monitoring purposes. However, the FDEP did require that Lockheed Martin's remedial design and monitoring take into account private well data.

Individuals have the ability to petition the FDEP for an administrative hearing on the approval of SARA 3 within 21 days of the publication of the notice of site assessment report approval.

INITIAL GROUNDWATER TREATMENT SYSTEM UP AND RUNNING

Within 120 days of the Florida Department of Environmental Protection's (FDEP) approval of the Interim Remedial Action Plan describing a groundwater treatment system to be constructed at the former ABC site, Lockheed Martin initiated operations of the treatment system. The treatment system was started up on August 23, 2006.

"We're very pleased to have started the groundwater cleanup," said Dr. Tina Armstrong, Lockheed Martin's senior manager for environmental remediation. Dr. Armstrong noted that this treatment system is the first phase of the overall cleanup of the groundwater beneath Tallevast. The full cleanup plan will be presented to the State in December in the Remedial Action Plan for the former ABC site.



John Perella an engineer with BBL, monitors the treatment system to ensure that everything is working effectively.

INITIAL GROUNDWATER TREATMENT SYSTEM UP AND RUNNING (continued)

Lockheed Martin's objectives with the interim action plan are to contain groundwater with the highest levels of contaminants to the former ABC site and to begin the actual extraction of contaminated groundwater from the area. Dr. Armstrong said the treatment system will remove contamination from the groundwater so that it can be safely discharged to the Manatee County sanitary sewer system.

The pump and treat system includes 6 groundwater extraction wells located in pairs of two around the former ABC site, with the potential to expand to a total of 10 extraction wells in the future.

The extracted groundwater is stored in a 22,000-gallon tank and treated using advanced oxidation technology, which Lockheed Martin has found to be the most efficient, safe and cost-effective way to treat site-specific chemicals of concern (COCs), including trichloroethylene (TCE) and 1,4-dioxane.

A Photo-Cat water treatment system manufactured by Purifics is used to remove contaminants from the groundwater. The treatment system mixes groundwater with titanium dioxide and then exposes it to ultraviolet light. This process destroys the COCs and purifies the groundwater while producing only benign end products, such as carbon dioxide, water and salts. The treatment process generates no air emissions, waste or other byproducts of COCs. Activated carbon is also used to provide tertiary treatment before the water is discharged into the Manatee County sewer system.

Treated water is routinely monitored to ensure that the treatment system is working effectively. The results from the testing are reported periodically to both Manatee County and the FDEP, and testing reports will be available at the Lockheed Martin Information Center. Dr. Armstrong said Lockheed Martin is also regularly testing groundwater

extracted from area monitoring wells to evaluate the effectiveness of its interim containment and treatment efforts.

LOCKHEED MARTIN TESTING GROUNDWATER

Lockheed Martin's contractors, Tampa-based Blasland, Bouck & Lee, are collecting water level measurements and chemical concentration data from Lockheed Martin Tallevast monitoring wells this month in preparation for submittal of the Remedial Action Plan. The State requires that all Remedial Action Plans be based on site characterization data that is less than 270 days old.

Please feel free to call Clovia Russell at the Information Center if you have any questions about the sampling.