

Alliant Radford AAP to Provide Water to Montgomery County, VA

Thanks to the ARMS Team it is happening!

In the early 1990's, a Hercules RFAAP employee, who also was a member of the Montgomery County Virginia Board of Supervisors, had a vision of RFAAP furnishing good drinking water to the nearby community of Price's Fork, which struggled with a very old central water supply utilizing ground wells. Discussions of this possibility were held in house, but at that time, there was no real platform to launch such a deal.

Radford AAP has a very large capacity for the production of Raw, Filtered, and Drinking water from the New River. A significant portion of the capacity is active, with the remainder, which can be reactivated, in standby condition. Design capacities for the main plant water plants are Raw Water 25M Gals./Day, Filtered Water 25M Gals./Day and Drinking Water 2M Gals./Day. RFAAP also has a second drinking water plant in the Rocket Area with a capacity of 1.2M Gals./Day. These large capacities are being considered in long term planning reviews to regionalize connectivity of the areas' water supply.

With the advent of the ARMS Program and Facility Use Contracting, new initiatives were in place to potentially allow the sale of water from RFAAP to outside users. In



Groundbreaking at Price's Fork School. Pictured are: 1st row - Jim Politis, Chairman PSA; Ray Smoot, VA. Tech; Dave Ratcliff, Alliant; Ira Long, former PSA Chairman; Mike Kirk, PSA Director; Joe Gorman, Former Alliant employee and Board Member, and Tom DeJulian, Anderson & Associates Project Engineers. 2nd row: - Anthony Miano, ATK V.P. Operations, and Joy Case, RFAAP ACO.

early 1996, meetings were held between the Montgomery County Public Service Authority (PSA), and Alliant Techsystems to evaluate the possibilities and determine requirements for making an agreement. Numerous requirements existed; such as needs of the County vs. capacity of RFAAP Drinking water facilities, hydraulic load sustaining capabilities of the RFAAP piping system, backup capabilities for the RFAAP system, funding sources for over a mile of pipeline, a new pump station on RFAAP property, a new 500,000 gallon storage tank on Price's Mountain near Price's Fork, engineering design, and environmental impacts and assessments for the addition of all of

the facilities.

For initial discussions, an Alliant team was set up to secure ARMS funding and provide answers to the major requirements. The Virginia State Health Department, which already regulated drinking water production at RFAAP, was involved in the discussions. Fortunately, Alliant had developed project requests and received funding to support a Corps. of Engineers Project to upgrade the main plant drinking water system to meet the then new Health Dept. requirements for making drinking water.

During the ensuing years of the late 90's, Alliant performed hydraulic analyses, preliminary

engineering design, and general environmental requirements with small project Immediate Use funds from the ARMS program, and presented findings to the County's PSA. In this same time frame the PSA was appropriately developing in parallel an alternate plan for water to be furnished by the nearby Town of Blacksburg. With those reviews, it appeared that the best alternative for the PSA was to procure from the Town of Blacksburg; however, the RFAAP proposal was kept in consideration. To that possible end, concept approval was obtained from the ARMS Team, and a Sales and Purchase Agreement contingent on the PSA furnishing construction funding for a pump station and



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outside lines was negotiated and signed by Alliant and the PSA in May 1999. This agreement provided for the sale of up to 250,000 Gals./Day of drinking water.

Following execution of the agreement several changes in personnel occurred on the County Board of Supervisors and the Public Service Authority. The natural transition and revitalized reviews of the water situation resulted in some delays, but, in late 2001, the PSA initiated renewed interest. They requested a revised Sales and Purchase Agreement with longer periods of performance necessary to secure a USDA loan for construction costs. During meetings at Joint Munitions Command (JMC)

with Alliant personnel, ARMS Team and JMC leadership, periods of performance acceptable to the USDA were negotiated, and a new Sales and Purchase Agreement signed with the PSA.

Subsequently, the ARMS Program provided funds for Alliant to install utilities for an on plant pump station, the PSA concluded negotiation of a USDA loan for construction costs for the required pump station, lines and tanks. Bids were solicited and received and a contract awarded. Now, the construction work is well underway and a target date of June 30, 2003 is set for pumping water.

This entire effort spanning more than seven years has been



New construction of the pump station by Montgomery PSA, on RFAAP tank site.

a true partnering effort between elected officials, community, U. S. Army ARMS Program, and Alliant Ammunition and Powder Company LLC.

For more information on available facilities and services

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Cajun Cooking Thrives at Mississippi AAP

How about a fresh New Orleans' style shrimp poyboy with all the fixings or better yet, some fresh shrimp etouffee? You can find it to your liking at Schaeffer's at Stennis operating in what used to be the Mississippi Army Ammunition Plant's cafeteria. Opened in 1999, the commercial full service restaurant has become a landmark in a very short time at the John C. Stennis Space Center. With his success or failure tied to his service and quality, owner Scott Esteve knows what his customers like. The menu and decor are typical



Schaeffer's at Stennis.

of what you would expect walking into a small café in downtown New Orleans. Esteve is quick to admit his mainstay is the "all you can eat buffet" for which he has become well known. As his business at the Army plant has grown, so has his catering activity servicing the entire Stennis Space Center community. Esteve's serves over 300 breakfast and lunch meals a day from his 3,000 square foot facility in addition to catering 5 events weekly. His success and

reputation has recently landed him the opportunity to run the NASA Visitor Center's Rocket City Diner at Stennis. "My successes at the ammo plant have really opened doors at Stennis. I have a vision to build on my experiences here and hopefully bid on operating restaurants in other states for the federal government", says Esteve. The success of this small thriving business can be attributed to one break... the ARMS Initiative. A cafeteria, which sat idle for years, is now generating revenue, creating jobs and filling a niche.



Holston's Business Development Center to Open in July

From the outset, BAE recognized the need to work closely with the community and region to develop the tremendous potential of the Holston Army Ammunition Plant (AAP) and has worked closely with the community to facilitate construction of the Holston Business Development Center. Construction on the new center began in September 2002.

Scheduled to open in July 2003, the Holston Business Development Center will boast 13,500 sq. ft. as well as 9,000 sq. ft. of existing open plan space provided by the Army/BAE to accommodate light manufacturing/engineering opportunities. The single story, energy efficient facility will accommodate twenty four individual office units of 500 sq. ft. each. Four units offer common workspace for conferencing, training and administrative functions.

BAE will provide the land and buildings rent-free for the remaining period of their contract (approximately twenty years). Incentives offered by the Business Development



Change continues at Holston AAP.

Center include:

- Reduction of initial start-up costs through subsidized office/manufacturing space and shared business services.
- Free technical/business consultation and training.
- Prestigious location to enhance the image of start-ups.

The primary goals of the Business Development Center include the attainment of 70% occupancy of the facility by the end of Year Two; graduate five businesses per year commencing

in Year Three of operations; and demonstrate job growth of 100 new jobs in the community by the end of Year Five.

Tony Hewitt, Commercial Development Director for BAE Systems, Ordnance Systems Inc. stated, "BAE endorses the Army's view that facilities such as Holston are an integral part of the community in which they reside. The business development center concept is a great way to demon-

strate our commitment to 'partnering' with the community. It offers tremendous opportunities to develop 'local talent' that will graduate successful businesses into the Tri Cities and some may take up future occupancy at the Holston AAP. That's a win-win for everyone."

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Recycling Business at ARMS Facilities

Whether you prefer paper, plastic, glass or metal, you can conduct good business by recycling instead of using virgin raw materials. Recycling is becoming an increasing part of the growing, sustainable economy and is seen widely as a preferred alternative to landfills.

Already, many of the Army Ammunition Plants (AAP) have proven themselves to be strongly suitable locations for both government and commercial recycling operations. These plants are industrial sites, typically permitted for chemical and manufacturing operations. Oftentimes, useful equipment is already available. The Armament Retooling and Manufacturing Support (ARMS) program has facilitated business start up and has offset up-front capital costs by supplying financing, skills and a variety of hard assets.

Historically, the Army has recycled operating materials at these plants, including items such as pink water, acids, scrap cartridges and nitrocellulose. The Lake City AAP alone has raised millions of dollars selling materials for reuse. Some companies have started commercial recycling operations on AAPs, leveraging the military market, either as a source of raw material or as a customer for the recycled materials and parts. Once established, these companies also address the commercial market. Case examples of some various recycling operations located on ARMS facilities are as follows:

Lake City AAP - Mast



Construction of GreenTech Panels recycle facility.

Technologies Inc. is currently conducting trial operations in hopes of being a successful DoD subcontractor responsible for recycling 120 mm canisters for the U.S. Army tank rounds and the largest ARMS tenant at Lake City by 2004. The trial operations are designed to tell them the costs associated with the recycling effort and give them statistical indication of the percentage of the canisters that can actually be recycled at a much lower cost to the Army versus the use of new 120 mm canisters. The trial began April 1st and will be completed July 31st.

Lone Star AAP - Featured in the Spring 2003 edition of News@ARMS®, the Lone Star AAP is setting up to recycle electronic parts under the Demanufacturing of Electronic Equipment for Reuse and Recycling (DEER2) program, managed by the National Defense Center for Environmental Excellence. The Lone Star recycling DEER2 system will also remove, test, and recover classified/sensitive boards and chips.

An additional recycling operation is American Dehydrated Foods, Inc which converts waste eggs into pet food.

Louisiana AAP - GreenTech Panels is constructing a facility to recycle waste wood, pallets, cable reels and construction scrap into 4'x 8' flooring panels made from the medium density fiber wood. ARMS funding, including a \$16.5 million USDA/ARMS loan guarantee, has helped GreenTech Panels get off to a running start. GreenTech will employ approximately 70 workers when full production commences.

Explo Systems is engaged in the recycling and remanufacture of military explosives stocks that have passed their expiration date. These energetics are reformed for sale to commercial enterprises.

Mississippi AAP - Power Dynamics Inc refurbishes hydraulic units in support of the oil and gas industry.

Riverbank AAP - Riverbank Oil Transfer, LLC leases a

12,500 sq. ft. building retrofitted with a facility to handle the transfer of used oil from truck to rail for transport to approved plants for recycling the used oil into bunker oil.

Another tenant is considering leasing 45,000 sq. ft. at Riverbank AAP to set up a unique process to recycle plastics.

Holston AAP - Holston has emphasized its facility attributes as being very favorable for commercial recycling opportunities. The Kingsport Railcar Service company is a case example. This company has received approximately \$5m in ARMS incentive funds to modify existing facilities to allow recycling of railcars. This recycling involves modification of used coal cars by installing a new design hopper bottom that allows the cars to be put back into service with the ability to haul a wide variety of commodities.

Also at Holston, Savewood LLC received approximately \$3m in ARMS incentive funds and nearly \$10m in ARMS guaranteed USDA loans to modify existing facilities to recycle polystyrene waste into a new "Purolflex" panel. The 4'x 8' panels will be used for flooring and are both moisture and termite resistant. The waste polystyrene will primarily come from automotive plant scrap and waste.

Learn more about opportunities for conducting recycling businesses at AAPs by visiting www.openterprise.com.