

AQUA-SCIENCE SMALL LEARNING COMMUNITY
RIVERVIEW HIGH SCHOOL
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March 30, 2009

TO: Kal Knickerbocker
Division of Aquaculture
1203 Governor's Square, 5th Floor
Tallahassee, FL 32301

RE: Report #3 (due April 1, 2009)
FDACS Contract #013970
Riverview High School
One Ram Way
Sarasota, FL 34231

Report #1, completed October 1, 2008, presented Riverview's successful progress regarding student enrollment into beginning, intermediate, and advanced aquaculture career technical education courses and the successful integration of those courses into the marine and environmental sciences. Report #2, completed January 1, 2009, explained that Riverview was not only successfully meeting the terms of the ARC grant by ensuring the curriculum development of the aquaculture courses and by the furnishing of two wet-dry labs (Phase 1) but also had expanded the scope of the ARC goals to include the purchasing and partial furnishing of a 30' X 72' greenhouse and 8' X 16' "quarantine" lean-to. The structural design was based on the dedicated team's decisions, in collaboration with its community advisory board, regarding what products to grow (Tilapia, Koi, Cichlids, Loaches, Ornamentals, etc.), the equipment needed to grow those products, and the consequent space required. Total funds expended to date and debited from the ARC funds awarded (\$48,952 after the 4% reduction) include the following:

(Purchase Order #1): \$ 1166.00 for food storage and supplies

(Purchase Order #2): \$22,895.80 for 30' X 72' greenhouse with 8' X 16' lean-to

The ARC funds remaining after the above expenditures are \$24,940.20.

Report #3, due April 1, 2009, involves addition greenhouse and equipment issues. Those activities involve providing school board personnel with a comprehensive site plan not only showing the placement of the greenhouse (Phase 2) but also the placement of the proposed research facility (Phase 3) and dock (Phase 4). A renowned architect from Sarasota has agreed to donate his services by preparing this comprehensive site plan and presenting it to school board personnel. In addition, a prominent engineer has agreed to donate his services to provide and present to school board personnel "sealed" plans displaying the foundation (with drainage system as recommended by UF Tropical Labs), electrical, and plumbing infrastructure. Those plans and presentations should be complete by April, 2009. District personnel has already agreed, without cost, to run conduit to the greenhouse location.

In the meantime, the committed team members have been conscientious in seeking guidance from UF Tropical Labs so as to obtain bids that will allow them to get the "biggest bang

for Arc's dollar"! The following two additional purchase orders have been submitted and are being processed:

(Purchase Order #3): 199.5 BTU/HR Electronic Ignition Propane Heater = **\$1147.10**

And

(Purchase Order #4):

A. Two DF3-P Polygeser "Drop" Filters (\$2507/filter = \$5015) plus mounting kits (\$91.60) plus crating (\$80.00) totaling \$5186.00

B. Two 80 watt UV 115 volt Sterilizers (\$422.40/sterilizer) totaling \$844.80

With the freight charge (\$340) the total of A & B = \$6371.40

Purchase orders three and four, totaling \$7,518.50, when completely processed, will leave \$17,421.70 in ARC grant dollars remaining. The team has prudently decided to postpone ordering any other equipment until the sealed plans have been submitted to school board personnel. Once submitted, on May 1, 2009, the team intends to submit for processing those purchase orders that will result in expending all remaining ARC grant dollars (\$17,421.70).

A final and exciting note! The students and staff were invited to participate as a "pilot" in University of Central Florida's (ISTF) "Community of Tomorrow" project. Only one school in Sarasota County was allowed to participate. Riverview chose to accept the challenge. Both the aquaculture and engineering students collaborated, and the aquaculture greenhouse was the selected project. UCF's review of our participating to date is a verbal "Excellent", and we understand that Riverview's project will not only serve as a "model activity" but also staff will be involved in mentoring other schools wishing to participate in the future. ARC has been given recognition for providing grant dollars in this endeavor. Should ARC wish to view the site, it can be accessed via <http://www.sarasota.k12.fl.us/rhs/cot>

In closing, it is amazing what these funds have allowed both staff and students to accomplish, and we can never thank the Florida Department of Agriculture and Consumer Services and Charles H. Bronson (Commissioner) enough!

"Funding for this project provided by the Florida Department of Agriculture and Consumer Services, Charles H. Bronson, Commissioner."