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lorida Housing Project Confronts Incompetent Lead Tesuing

By David Rasmussen

tent, the Department of Housing and Urban Development ly and that the operators using the machines were incompe-(HUD) has placed the original testing company under inves-Terrace apartments in Sanford, Fla., did not function proper-(XRP) machines used to conduct initial lead tests at Higgins After reports that the portable X-Ray Fluorescence

After initial lead testing was performed by a local firm

GSC specializes in risk-based cost design systems. strategy for the exterior walls of the Higgins Terrace units. more than a year ago, GSC Environmental Laboratories, based in Augusta, Ga., was brought in to provide lead abatement consulting/lead testing and prepare a risk assessment

units scheduled for a complete exterior abatement of leadjob at Higgins Terrace was to go back and review the original specifications. On this particular project, there were 85 David Mederer, district manager for GSC, said that "our

> half percent by weight] 22 percent of the units carre back positive for lead (at oneon the percentage of positive results for the exterior walls, we looked through the test results we determined that, based based paint using a caustic remover. But, Mederer said, "as

Typically, with the inconclusives, confirmatory lab testing is done. When we reviewed the confirmatory data, we deter-"There was also about a 5 percent inconclusive range

See Florida, page 5

Florida

Continued from page 1

the 5 (XIO ppin [parts per million] standard was below HUD's standard (one-half percent by weight]. In fact, most were under mined that there wasn't enough statistical data actually showed that the level of lead walls had to be potentially abated. The information to verify that all the exterior like 80 or 90 ppm.

tional XRF testing of every unit and comwalls were abated that did not actually office and worked out a program to go found elevated levels of lead throughout pleted a plan to address where we actually require abatement. We then ordered addibecause HUD has had experiences where ny that, in fact, they were now concerned, not necessary. IIUD informed our compabelieve that abatement of all the walls was exterior walls and we had reason to back and do confirmatory sampling of the [GSC] then contacted HUD's regional lems with the data that was collected. We done because "there were clearly probauthority that additional testing should be Mederer then informed the housing

of lead and did not require any additional of the buildings contained very low levels buildings was required, and that the rest plete exterior encapsulation of only 10 GSC advised the authority that com-

reamen

Work in Progress

sure to previous layers of lead paint. clastomeric encapsulant to prevent expoprocess of finishing another three with an seven apartment buildings and is in the plex recently encapsulated the exterior of The Higgins Terrace Apartment com-

several of the buildings in the Higgins completed earlier this year indicated that director of the housing authority, said that Terrace complex had elevated levels of the laboratory risk assessment that was Timothy Hudson, acting executive

back which indicated elevated or border-line lead levels were encapsulated." he said, "but any [buildings] that came risk assessment was actually dangerous," Hudson said the outer surface of the "None of the actual readings from the

said, "so that is why we decided on effective results that we could afford," he up more dust, and we wanted to provide waste cleanup, which might have stirred the problem was encapsulation. "We wanted to avoid the hazardous

most cost effective method of addressing

careful study it was determined that the buildings was masonry, and that after

encapsulation." The original cost of full abatement was

\$450,000; the cost of encapsulation,

which included all testing and prelimi-

nary research, was \$125,000

Extensive Review

and OSHA standards," Mederer said. paint interim guidelines that the encapsulants based on the data from the testing independently certified as meeting HUD lant be UL listed and classified and also tractors to "meet the HUD lead-based out for public bid and required the conturers. GSC put the encapsulation work provided from the encapsulant manufacand specifications of the encapsulants GSC reviewed a variety of encapsu-

characteristics. most importantly, provide good adhesion humid weather present in Florida, and, of no longer than 4 hours, because of the leach test. It should also have a dry time least I(X) inch-pounds, and that it pass a mildew resistant, be impact resistant to at (ultraviolet) protection, be fungus and non-toxic, anti-flammable, provide UV He also said the encapsulant had to be

product be compatible to the existing surresponsible and also required that the contractor who applied the encapsulant product to the requirements and made the tions and come with a 20-year warranty," aces and that it met minimum specifica-"We married the specifications of the

out to the housing project and conducted selected was "compatible and effective." additional tests to ensure the encapsulant Mederer said the contractor then came

> the application in Florida. laboratory staff that LBC was suitable for Fiberlock and confirmed with Fiberlock's Mederer then said that GSC talked to bid for the encapsulation work. The product chosen was Fiberlock's narrowed the field, and six respondents He added that these rigid requirements

over time." studies of how well the products hold up GSC is now considering using other encapsulant products to conduct "ongoing lant manufacturers have contacted him since news of the project was released and Mederer also said that other encapsu-

application takes approximately two applied. Mederer said that the entire allowed to return to the apartments. days, after which time the residents were process of preparation, cleaning, and authority while the encapsulant was ings were relocated by the housing Residents of the encapsulated build-

nally existed." often creates more problems than origithe work without full abatement which able to save the housing authority several have the opportunity to work on this prohundred thousand dollars and complete ject," and that "most importantly, we were Mederer said that "GSC was proud to