



**SIDER-
OXYDRO, INC.**

'Worldwide Construction Technology Leader Since 1937'

SIDER-OXYDRO, INC.

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SIDER-PROOF FF-PR & SIDERITE CASE STUDY

Nov. 1998

WATER TREATMENT PLANT, HAWKINSVILLE, GA

The City of Hawkinsville, GA experienced continuing problems with their water treatment plant, including multiple leaks from their concrete water holding tank. Naturally, these leaks allowed water to permeate through the walls of the tank resulting in continuous water loss.

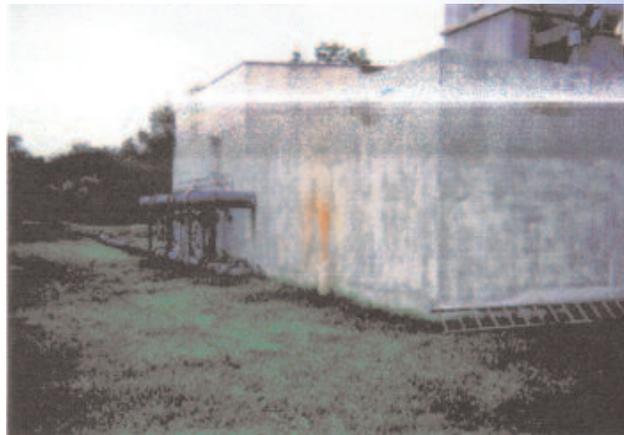
In addition, the leaks created another problem on the exterior walls of this holding tank prohibiting any paint or coating to adhere. Over time, these painted walls delaminated allowing for more water loss from the tank itself. Attempts to repair the tank from the exterior provided only temporary solutions.



Interior view of th water holding tank

Siderite - This cement-based paint is the natural choice when a water repellent and vapor permeable paint is required. Siderite provides a traditional colored smooth finish while protecting the substrate underneath.

Sider-Proof FF-PR – A cement-based coating for use on plaster swimming pools; as well for above or below grade applications and specialty projects such as concrete water treatment facilities, concrete water conduits, concrete filter bed tanks, ponds and water fountains. Packaged in a kit & easy to apply.



Exterior view of the water treatment facility

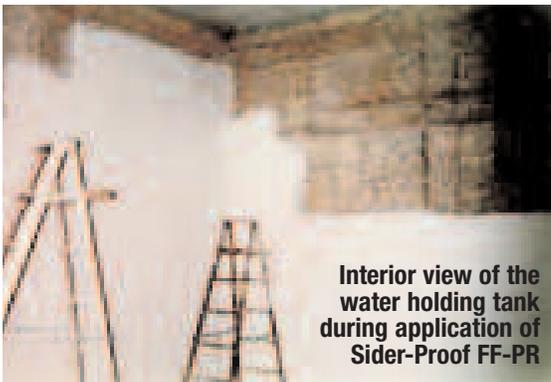
Since 1937, Sider-Oxydro has been providing the building and concrete industry with the most advanced products and technology.

SIDER-PROOF FF-PR & SIDERITE CASE STUDY

WATER TREATMENT PLANT, HAWKINSVILLE, GA (cont.)

Several systems and product lines were reviewed prior to the selection of the combination of Sider - Proof FF-PR and Siderite. The City of Hawkinsville determined that several key features and benefits of the Sider-Oxydro products provided the solutions sought after, including:

-  The three water purification tanks and the main water holding tank would only be out of commission for less than 36 hours, unlike other products requiring up to 7 days, including draining and drying time.
-  **Sider-Proof FF-PR** provided unmatched waterproofing performance including one-product application, unlike other products requiring two or more different products.
-  **Sider-Proof FF-PR** and **Siderite** ease of application, with a standard paint brush and roller, allowed the city to utilize the labor from their work release program and reduced application costs significantly compared to other, more complicated product installation methods requiring skilled applicators.
-  **Siderite**, a cement-based paint, was applied on the exterior of the treatment plant to provide a durable and protective and decorative finish.



Interior view of the water holding tank during application of Sider-Proof FF-PR



Exterior view of the water treatment facility receiving the application of Siderite

 **Natural Solutions Quality** **Performance Leadership** **Innovation Environment** **Technology**



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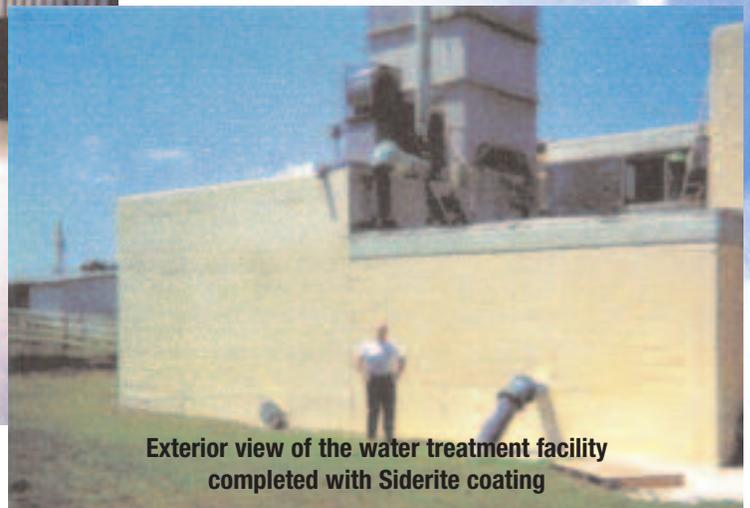
WATER TREATMENT PLANT, HAWKINSVILLE, GA (cont.)

To the delight of the city officials, the water treatment facility was shut down for only slightly over 48 hours. That included the draining of the tanks, cleaning, coating of Sider-Proof FF-PR and the re-filling of the tanks

The application of Siderite on the exterior of the building was delayed for several days to ensure no leaks were present and to allow the concrete to dry. After careful monitoring and no leaks detected, the Siderite was applied to the exterior walls of the plant as a final decorative and protective coating.



Interior view of the treated water holding tank completed with Sider-Proof FF-PR Coating



Exterior view of the water treatment facility completed with Siderite coating



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WATER TREATMENT PLANT, HAWKINSVILLE, GA (cont.)

-  The leak problem was remediated, bringing the facility back to a superior level of operation
-  Exterior walls were coated and protected from the elements with a durable and decorative finish
-  The plant was out of commission for a much lesser time than anticipated by city officials

Sider-Oxydro ensures that our products exceed our customer's expectations.

For additional information on these products or any of our other product lines, please take a virtual tour of our website or contact us toll-free: 888-743-3750

