Retrofit of Alabama Power Company Chimney with FRP

Barry Plant, Bucks, AL



Concrete has been removed in anticipation of placing duct work.





 12 ft. wide area around the opening strengthened with CFRP

12x74 ft.

concrete section

to be cut and

removed for

accomodation

of SCR

- 1/8 inch thick engineered CFRP replaces the following rebars: #8 at 12 inch vertically & #4 at 12 inch horizontally
- Only 5000 pounds of CFRP is required to replace the same strength provided by 100,000+ pounds of steel or concrete

QuakeWrap.com

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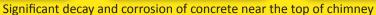
520-791-7000

Restoration of a Deteriorated Reinforced Concrete Chimney with FRP

TengizChevroil, Tengiz, Republic of Kazakhstan











Preperation of surface



Mixing resin

Transporting materials

Installation of fabric









Application of tack coat



Installation of fabric

ack coat



Restored chimney after repairs and painting





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