

Ownership, Operations and Maintenance of a Central Utility Plant

Colortex (formerly NC Finishing) – Spencer, North Carolina

Client Benefits

Peregrine purchased the central steam and process water plant in April 1997 and implemented over \$5 million in capital improvements through a turnkey, design/build, own/operate structure. The new entity, Kannapolis Energy Partners, LLC, operated and maintained the plant, after completion of construction, with an almost zero outage history. Peregrine's operation of the steam plant provided Color-Tex significant fuel savings and savings from textile production losses previously due to outages and water quality.



The Opportunity

Color-Tex had allowed their steam and process water plants to deteriorate – resulting in over 72 outages in 1996. The coal capable steam plant was burning expensive natural gas due to failure of the coal handling, burning, and environmental systems.



The Solution

Peregrine performed an extensive evaluation and baseline cost study of the steam plant (250,000 lbs/hr, 450 psig, 3 MW of electric generation) and a complete economic study of process water usage of 2.5MGD. Peregrine purchased the facility, staffed it, and invested the required capital to implement a new water plant and other savings-related projects:

- Installation of new turbine and boiler controls
- Installation of new plant switchgear
- Refurbished physical boiler plant, coal handling, precipitators
- Reallocation of plant electric loads to new electric feeds



Peregrine operated and maintained the facility and provided steam to Colortex under a long-term steam sales agreement.

Bringing Business Sense to Every Project