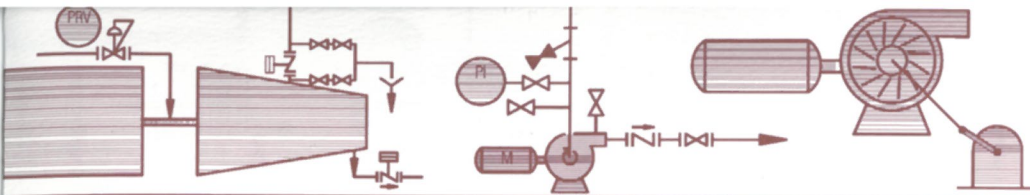


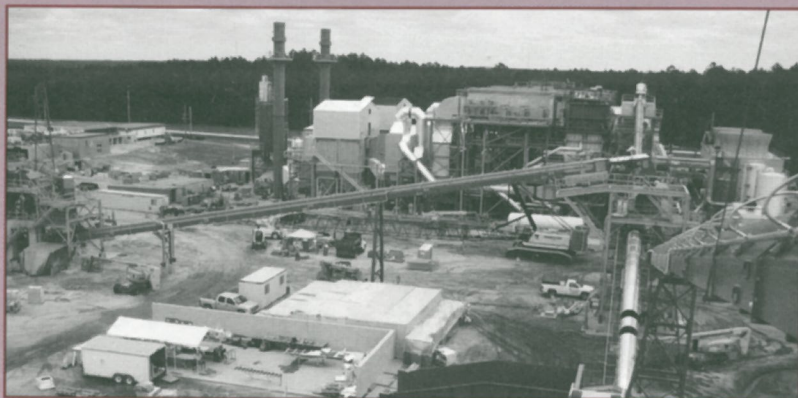
ESI Inc. of Tennessee
 1250 Roberts Boulevard
 Kennesaw, Georgia 30144
 Phone: 770/427-6200
 E-mail: energysource@esitenn.com
 Web Site: www.esitenn.com

PRSRT STD
 U.S. POSTAGE
 PAID
 KENNESAW, GA
 PERMIT NO. 335



Project Update:

- Ameresco Federal Solutions:** The Department of Energy- Savannah River Sites's Biomass Cogeneration Facility is nearing construction completion. After nearly two years of engineering and construction, the Aiken, SC, power facility is entering the commissioning and start-up phase. This plant, which produces 20 megawatts of electric power and up to 180,000 pounds per hour of medium pressure steam to site users, is nearing mechanical completion in July. Casey Industrial, the general contractor, is wrapping up piping installation and electrical terminations. After two months of check-out and start-up, the plant will begin producing steam and power by September. With the final operating permits now in place, the plant will then begin a performance testing phase and be fully operational in advance of Ameresco's scheduled date of December 2011. ESI is supporting this final effort with onsite engineering and commissioning management, as well as support by the design staff in our home office. ESI is also wrapping up development of commissioning, operating and maintenance manuals for use by the Ameresco permanent plant staff. Ameresco will then operate the facility for the next 15-20 years to support the mission at Savannah River Site.



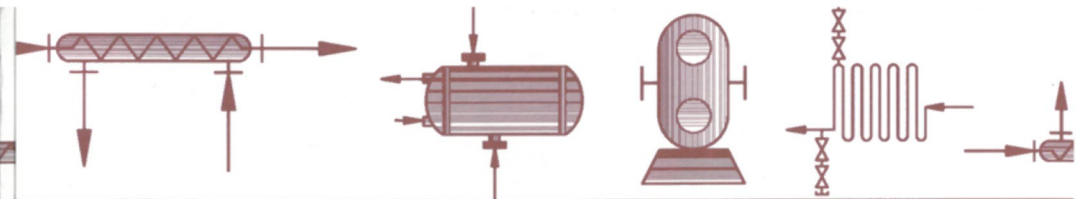
Department of Energy-Savannah River Site's Biomass Cogeneration Facility

- Georgia-Pacific Palatka:** ESI has been awarded a contract by Georgia-Pacific to perform modification work at their Palatka, FL mill. ESI will be responsible for the Combination Boiler ID Fan Drive Replacement, including design modifications to the existing mechanical collection system, demolition of the existing ID Fan turbine drive, foundation design for the new 1250 HP motor to drive the ID Fan, design of the E/I system, MCC system upgrade and integration of the new controls system into the DCS system. ESI will also be instrumental in work for the Combination Boiler BART (Best Available Retrofit Technology) Compliance. This portion of the project will entail modifications and installation of the Natural Gas pipeline, as well as installation of 4 gas trains and burners, required to meet the NOx regulations. Engineering began on this project in May 2011. Estimated completion is scheduled for September 2011, for a November shutdown installation.

THE STEAM AND POWER SPECIAL FORCES®



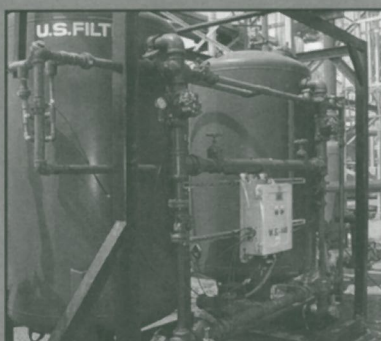
WWW.ESITENN.COM



Rental Boiler...Continued from Page 3

one spray-type deaerating feedwater heater and storage tank, two boiler feedwater pumps, and two chemical feed systems. The systems are modular design which allows for easy assembly and installation. Once installed, the system is comparable to a permanent deaerator system with the deaerator providing sufficient NPSH to the feedwater pumps.

- **Water Softener Systems** - ESI's Water Softener systems are designed to supply the requirements up to a 72,000 pph capacity boiler with a 5% blowdown rate. The systems are skid-mounted and consist of two vessels, all piping and valves, and semi-automatic, flow or manually initiated, regeneration control system.



As an ESI customer, your rental experience will include installation, start-up services, field supervision, project management, operator training, 3D modeling capabilities, and 24/7 on-call customer service. Access to our rental staff and the technical knowledge of our experienced engineers offer our clients an experience that will exceed industry standards.

For more information and to view general specifications for our rental inventory, please visit our Rental Division website at www.rentalboilers.com. To receive a rental quote, contact Doug White at 770-427-6200 or dwhite@esitenn.com.

Metering...Continued from Page 2

guaranteed EPC system installation, providing expertise to assist customers considering biomass or any other type of material handling system design or modification. For more information, please contact Jay Garrett, Business Development, at 770-427-6200 or jgarrett@esitenn.com.

**This article concludes our series on Designing a Successful Biomass Material Handling System. To view all the articles in the series, visit our website at www.esitenn.com/news-events and download the following issues of Energy Source:*

- *Spring 2010 – Part 1: Design Considerations*
- *Summer 2010 – Part 2: Material Receiving System Design*
- *Fall 2010 – Part 3: Material Sizing*
- *Winter 2011 – Part 4: Material Storage and Reclaim*
- *Spring 2011 – Part 5: Conveying*
- *Summer 2011 – Part 6: Metering*

LIKE Us on Facebook:
Search
ESI Inc. of Tennessee



Follow Us on Twitter:
[www.twitter.com/
esitenn](http://www.twitter.com/esitenn)