

## **STEAG Energy Services Successfully Regenerates Biomass Fueled SCR Catalyst**

Kings Mountain, NC – July 2011: STEAG Energy Services LLC is pleased to announce the successful Regeneration and Recalcination of SCR catalyst at a New Hampshire biomass fueled facility. STEAG Energy Services LLC's state-of-the-art regeneration and recalcination processes were once again able to outperform the customer's expectation and successfully meet all performance requirements.

The SCR catalyst modules were shipped from EWP Renewable Corp.'s DG Whitefield 19 MW biomass facility, located in northern New Hampshire, to STEAG's regeneration facility and lab in Kings Mountain, NC. DG Whitefield combusts approximately 235,000 tons of green biomass fuel each year to produce approximately 145,000 MWh of clean renewable energy. The facility has a successful environmental track record with modern pollution control equipment that includes the installation of a Regenerative Selective Catalytic Reduction unit that lowers boiler NOx emissions and enables the facility to qualify as a generator of Class 1 Renewable Energy Credits in the state of Connecticut. The facility also utilizes a modern over-fire air system and oxidation catalyst to reduce boiler CO emissions. DG Whitefield is one of the lowest emission biomass facilities in New England.

Doug York, Plant Manager at DG Whitefield states: "I am very pleased with the catalyst performance following the regeneration process. Early results are very favorable. NOx conversion efficiency is excellent and recent environmental stack testing for ammonia slip showed the lowest levels ever recorded by the facility. What is even more encouraging is the fact that, with installation of the regenerated layer, we were able to eliminate an additional catalyst layer in the RSCR and still achieve better NOx conversion than previously with the additional layer. Also testing has shown that for much of the year we could conceivably operate with a single catalyst layer and still achieve the necessary conversion to qualify for CT RECs."

Ronald Barnett (Sales Manager) and Hans Hartenstein (President) of STEAG Energy Services LLC agree that: "STEAG is extremely proud to have completed the first Biomass Catalyst Regeneration and Recalcination in North America and to have successfully worked in collaboration with EWP Renewable Corp. for their DG Whitefield Facility. We are also very pleased to see our STEAG regeneration process once again was able to fulfill what has been promised to our customers and is reliable to handle catalyst exposed to different fuel types."

The successful completion of this project resulted in a five (5) year agreement with EWP Renewable Corp.'s DG Whitefield Facility to handle its SCR catalyst management and regeneration needs.

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## Press Release

### About STEAG Energy Services LLC:

STEAG Energy Services LLC is a specialist in the operation of power plants and environmental system, and provides engineering and consulting services for the power market since 1992. STEAG Energy Services LLC is the North American subsidiary of STEAG Energy Services GmbH which is a wholly owned subsidiary of STEAG GmbH, Germany's fifth largest utility power generator. STEAG has extensive expertise in SCR management and regeneration, SCR/SNCR and FGD engineering consulting services, and ammonia injection systems acquired by STEAG over the last 25 years. STEAG has regenerated more than 25,000 m<sup>3</sup> of SCR catalyst since September 2007 and has an inventory of about 4,000 regenerated catalyst modules of different measurements to satisfy customer needs for substitute catalyst.

### About EWP Renewable:

EWP Renewable Corporation (EWPRC) is a US-based energy company specializing in development, ownership and operation of renewable energy and cogeneration plants. It owns and maintains operations staff at the Fairhaven, Whitefield, and Springfield biomass plants, as well as Red Bluff, Chowchilla and Wayzata. EWPRC owns and operates 165 megawatts of efficient and reliable, renewable energy and clean natural gas energy facilities in the US.

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