



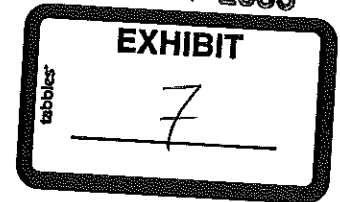
WHERE BUSINESS AND THE ENVIRONMENT CONVERGE

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June 2, 2009

Mr. Jerry Farrell, Jr.
Commissioner
Department of Consumer Protection
State of Connecticut
165 Capitol Avenue
Hartford, Connecticut 06106

JUN 08 2009



Re: Invitation to Direct Exchange ("DX") Geothermal Informational Session 6/8/2009

Dear Mr. Farrell:

Thanks very much for giving myself and esteemed scientists and engineers from Environmental Compliance Services, Inc. (ECS) a chance to participate in your information gathering session. Since my last encounter with your staff, I have joined ECS as their Alternative Energy Program Manager. I can assure you that ECS can contribute substantially to your information gathering efforts. We feel that we have no choice but to develop alternative energy technologies. Yet, we fully appreciate the Commission's responsibilities to navigate the balance between technology and acceptable risk. Personally, I have been involved with many, many successful refrigeration based heating and cooling projects and a couple real failures.

ECS is now embarking on a wonderful comparative study of various refrigeration based heating and cooling systems. In our Nonotuck Mills, Florence, Massachusetts location, we will be installing parallel systems and different, external well/bore systems. We have two name brand closed water loop systems and a DX closed loop system being installed, so far. Other technologies are currently under consideration. One of the two water loop well systems is traditional deep well (200' per ton for 5 tons) and one water loop well system is a new shallow well (300' for 5 tons). The water based systems will be "valved" to allow testing against either water loop heat pump system.

The State of Massachusetts UIC/DEP divisions have been invited to observe and participate as they like. With this letter, I extend an invitation to you and concerned Connecticut agencies to observe and otherwise participate as you or they see fit. The University of Hartford as well as other well known higher education institutions will be sending students to observe and participate in data acquisition and analysis efforts. Performance and costing information will be published and open for public review. A dedicated website application will be made available on the Internet.

To date, various well drilling companies, driller and blasting companies and HVAC companies have been invited to work and observe all aspects of this project. By bringing the best of trades, regulatory officials, institutions of higher learning and our own scientists and engineers, ECS hopes to contribute substantively to a better understanding of all aspects of refrigeration based heating and cooling systems.

Sincerely,

Samuel E. Johnston II

Energy Services Program Director