

PRESS RELEASE

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Summary: Possible solution for air and food bio Terrorism

RGF'S ANTI-MICROBIAL SYSTEMS AND BIO TERRORISM

West Palm Beach, FL – October 10, 2001 – RGF Environmental Group has been inundated with calls on the effectiveness of their Advanced Oxidation Air Purification Systems against bio terrorism resulting from the recent Anthrax cases in South Florida. RGF manufactures Advanced Oxidation Systems that utilize UV light, ozone, and photoionization to purify air, water and food. These systems have been independently tested and approved for use in FDA and USDA food processing facilities for the reduction of microbials including bacteria. RGF has recently formed an alliance with British Oxygen Corporation (NYSE: BOX) to bring RGF's photoionization technology to the food industry ([see attached BOC press release](#)).

UV light's ability to kill bacteria has been long known, dating back to an 1877 report by Downes and Blount in the proceedings of the Royal Society. In 1935, UV was used in surgical rooms to kill all bacteria in 10 minutes. Over the next five years, Duke Medical Center published several papers on the effectiveness of UV light to decontaminate air in operating theaters to reduce airborne bacteria.

In a report by the Potomac Institute for Policy Studies, Arlington, Virginia on "Advanced Technology to Counter Biological Terrorism," dated 1998, the study discusses the use of UV light combined with a hydrogen peroxide mist to create hydroxyl radicals to increase UV's efficiency in destroying biological agents, including Anthrax. The RGF photoionization process utilizes UV light targeted on a tri-metallic target in a low-level ozone atmosphere, which creates a combination of UV rays, low-level ozone, hydro peroxides, hydroxyl radicals, and super oxide ions, resulting in a very anti-microbial or bacteriastatic effect on air, water or on food surfaces. Efficiency of 99% has been independently tested and verified.

RGF Environmental Group was founded in 1985 for the purpose of providing the world with the safest and purest water, air and food without the use of chemicals. RGF manufactures indoor air purification systems, and water and food purification systems utilizing their photoionization technology. According to RGF's President and CEO, Ron Fink: "Photoionization is very effective in reducing indoor air microbes, including mold and bacteria. We have substantial and very credible data on its efficacy of bacteria reductions in air, water and food. However, we have no specific data on Anthrax, Small Pox or E-Bola. A published literature review indicates photoionization should be very effective, but without actual test data, we cannot make any claims." He adds, "and trying to get Anthrax, Small Pox or E-Bola for testing is very difficult.

Fink believes "the risk of bio terrorism is higher in our food supply than airborne Anthrax. According to the Associated Press, the FDA only inspects less than 1% of the food and ingredients imported from other countries. According to Walter Ellis, RGF's Lab Director, "The chances of bacteria staying active on food is far greater than terrorists trying to spray it from an airplane where the UV rays from the sun will readily kill bacteria."

For more information, please call RGF Environmental Group, Inc. (800) 842-7771, 3875 Fiscal Court, West Palm Beach, FL 33404, www.rgf.com or e-mail rgf@rgf.com.

[RGF Technology fights Bio Terrorism](#)