



DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCES  
SCHOOL OF PUBLIC HEALTH  
BOX 951772  
LOS ANGELES, CA 90095-1772

29 April 2003

Mr. James Krug  
Falcon Waterfree Technologies  
10900 Wilshire Blvd. 15<sup>th</sup> Floor  
Los Angeles, CA 90024

Dear James Krug:

I am a Professor in the Department of Environmental Health Sciences in the School of Public Health at the University of California at Los Angeles. In addition, I serve as the director of the toxicology program of the Southern Center for Occupational and Environmental Health and as Associate Director for Student Affairs in the Interdepartmental Program in Molecular Toxicology. My research is currently addressing issues of developmental toxicology and gene-environment interactions and is funded by the National Institutes of Health. In addition to this research focus which uses molecular genetic approaches to address toxicology issues, I have a background in aquatic environmental engineering which includes an M.S. in Environmental Engineering from the University of Illinois at Champaign/Urbana and a Ph.D. in Civil Engineering from the University of Missouri at Columbia. As a result, I have served on a State of California Committee to evaluate leaking underground storage tanks and a U.S. EPA Committee to evaluate health effects of perchlorate as an aquatic pollutant. Based on my history, I have been chosen to teach the microbiology section of the core graduate level course in our Department. Predicated on this dichotomous background, having both experience in aquatic environmental engineering and the health effects of pollutants, I am qualified to offer consultation on the relative positives and negatives of the zero water consumption urinals.

Based on my knowledge of the literature and my experiences over a twenty-year career, I would conclude that the zero water consumption urinals do not pose a significant health risk in excess of the risk posed by a more conventional toilet or urinal. Since urine is generally devoid of microorganisms, the risk of microbiological contamination from the zero water consumption urinal is theoretically no greater than the traditional flush urinal. This has been substantiated by the research that has been reported by Dr. Ahring

Please contact me with any concerns that you may have.

Cordially,

A handwritten signature in cursive script that reads "Michael Collins".

Michael Collins, Ph.D.  
Professor