



ORLANDO UTILITIES COMMISSION

500 SOUTH ORANGE AVENUE ▪ P. O. BOX 3193 ▪ ORLANDO, FLORIDA 32802 ▪ 407/423-9100

Kenneth D. Solomon, President
Aquron Corporation
P.O. Box 758
Rockwall, Texas 75087

Dear Ken,

Let me put in writing the results we have experienced with the Aquron CPT-2000 product.

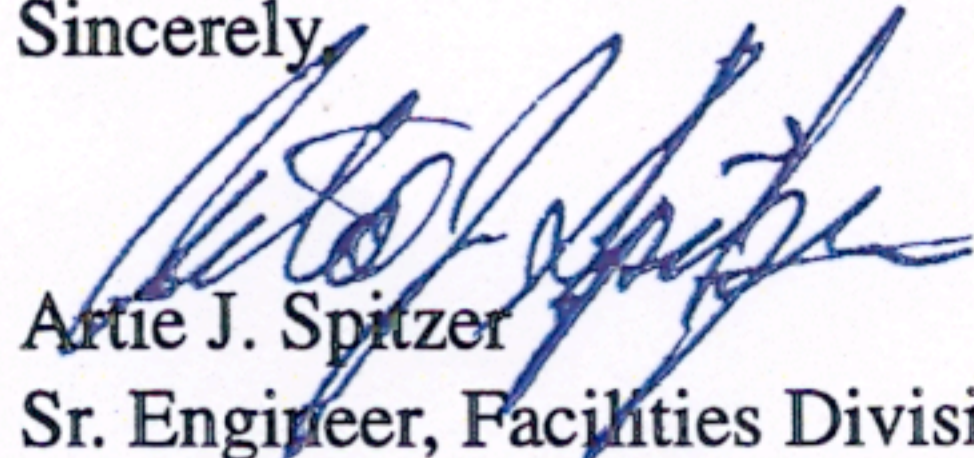
The Commission has a new Engineering Office Building at 6003 Pershing Avenue, that has had a carpet failure in which the plasticizer of the carpet backing decomposed into its original chemical make up and released an assortment of chemicals in their gas state, some went into the air and some were absorbed into the concrete under the carpet. These chemicals were mainly harmless but there were a few alcohols that were very troublesome, especially the nonanol, heptonol, pentanol and hexanol. These compounds caused the employees to develop problems typical of sick building syndrome, headaches and upper respiratory problems that were serious enough to force the evacuation of the building and the removal of the carpet.

We conducted many experiments with floor sealers and found that none worked as well as the Aquron CPT-2000. In the tests of epoxy coatings we found that the off-gassing of these products equaled or surpassed the amounts of remaining carpet gasses, but with the Aquron products' off-gassing was nil while the carpet chemicals were decreased to below the levels of smell and in most cases undetectable in testing chambers.

Our chief environmental consultant on this project was GZA GeoInvironmental of Grand Rapids Michigan who used Air Quality Sciences Laboratories of Atlanta to run the chamber tests. Basically the laboratory would prepare a set of absorbent tubes of various charcoal medium through which we would draw air from a aluminum tent placed over the bare concrete or sample floor sealers that had been applied to the floors in small quantities. The exposed tubes would be hooked up to a gas chromatograph-mass spectrometer at the lab for analysis. Without a doubt the Aquron CPT-2000 was superior to the other products.

Even though the Aquron product was not designed to purge these particular chemicals from concrete, the fact remains that it does, as our tests have shown. We are a quasi-government organization and as such, test results are open to the public, please feel free to have any of your clients phone me at (407) 423-1900 if they have questions.

Sincerely,



Artie J. Spitzer
Sr. Engineer, Facilities Division

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