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Washington, D.C. 2004-1304

RE: Maryland PSC Case No. 8997 - Rolan O. Clark Information/Data Request 3 to Sempra Energy Resources

Dear Mr. Barrett:

There will be much blower/fan activity at the proposed Catoctin site once everything is operational and fans create a lot of turbulence which in turn can create a lot of ions in the exhausted air. Will any of the exhausted air contain any ions that will be attracted to any of the Eastalco or Catoctin air discharges to create any type of environmental or air quality hazard, especially during hot humid days when hot, humid air, 80 degrees F, 80 % humidity, can have probably 25% less density altitude than air at 50 degree F, 50 % humidity, and any discharges may then not be buoyed by air pressure and fall to the ground or be suspended at low altitudes where it will become a health hazard. The below web site illustrates this point and it may well have been accounted for in your humidity studies but I didn't see that specific property of humidity vs. temperature.

<http://www.faa.gov/avr/afs/news/archive/MarchApril2004/Humidity.htm>

The problem would worsen in time if the demand for power increases and people population in the area increases.

What safety measures will be followed concerning the delivery and use of the 19% aqueous ammonia?

What plans will be in effect in the event the aqueous ammonia escapes, for whatever reason, and, worst case, blown up by terrorists or whomever or whatever?

Would Sempra be willing, if Frederick County approved, to put a portion of their profits into some kind of fund to insure that money was available to clean up the site when the power plant was closed?

Respectfully Submitted,

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