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PUBLIC SERVICE
COMMISSION

August 14, 2025

Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602

Re: Case No. 2024-00337 – Request for Water Runoff Testing Requirements for Wood Duck Solar Project

Dear Members of the Commission,

I am writing to respectfully request that the Kentucky Public Service Commission adopt strict water runoff testing and treatment requirements for the proposed Wood Duck Solar Project in Barren County.

Other communities across the country have already acknowledged the toxic risks associated with utility-scale solar panels and are requiring developers to test water runoff to prevent contamination. Attached to this letter is a public post that clearly outlines these requirements, including the need for **independent testing of runoff water to zero parts per million of toxic chemicals before release into the environment**. This shows that the hazards of cadmium telluride, cadmium indium gallium (di)selenide (CIGS), lead, silicon, silver, aluminum, and other carcinogenic substances are well recognized.

To protect Kentucky's farmland, water, and communities, I urge the Commission to require the same safeguards here:

1. **All water runoff** exposed to solar panels must be collected and treated through reverse osmosis or equivalent filtration to remove toxins.
2. **Testing and verification** must be documented and completed before runoff can enter ditches, waterways, creeks, and rivers.
3. **Routine monitoring** must be carried out by independent third parties, with results

made public.

4. Retention ponds should be required for runoff treatment, given the carcinogenic nature of the chemicals involved.

Barren County depends on clean land and water to sustain family farms, livestock, and our community's health. The Commission has the opportunity to ensure Kentucky follows the best practices already being recognized in other states.

Please see the attached reference post, with the section on water runoff testing highlighted, as evidence of how other communities are responding responsibly to these dangers.

Thank you for your consideration.

Respectfully,



Ann Stephens

Appendix A – Reference Post on Water Runoff Testing

The Solar farm would need to collect all water runoff exposed to the solar panels and treat (reverse osmosis filtration system) water to a 0 ppm (zero parts per million) of the following chemicals: cadmium telluride, cadmium indium gallium (di)selenide (CIGS), silicon, lead, silver, copper indium gallium selenide, ethylene-vinyl acetate, aluminum, and any other toxic chemical not otherwise specified. **Then after this testing is complete and within a stated tolerance could the water runoff be released.**

Some of the chemicals above are known carcinogens, which makes a retention pond of water runoff treatment of the highest importance.

Summary of Toxins Requiring Testing and Treatment:

- Cadmium telluride
- Cadmium indium gallium (di)selenide (CIGS)
- Silicon
- Lead

- Silver
- Copper indium gallium selenide
- Ethylene-vinyl acetate
- Aluminum
- Any other toxic chemical not otherwise specified