

## TurkeyPoint34SLREISCEm Resource

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**From:** Mary Bloom <marypmbd@gmail.com>  
**Sent:** Sunday, May 19, 2019 11:25 PM  
**To:** TurkeyPoint34SLREIS Resource  
**Subject:** [External\_Sender] Public Comment on Turkey Point License Renewal  
**Attachments:** Nuclear Regulatory Commission Memo re May 1 2019 Hearing comments.docx; Turkey Point.JPG; Turkey Point 2.JPG; Turkey Point 3.JPG

Dear Sir/Madam:

Please see the attached files for a recap of my comments from the May 1, 2019 public comment session at Homestead, FL and aerial photos of the canals at Turkey Point.

Thank you.  
Mary P. Bloom

**Federal Register Notice:** 84FR13322  
**Comment Number:** 1555

**Mail Envelope Properties** (CAPXeTTyWaL2H6ot+MZaNh8mNVyVu5HnbTLFD=EKsDzPw+R0nyg)

**Subject:** [External\_Sender] Public Comment on Turkey Point License Renewal  
**Sent Date:** 5/19/2019 11:25:08 PM  
**Received Date:** 5/19/2019 11:31:11 PM  
**From:** Mary Bloom

**Created By:** marypmdb@gmail.com

**Recipients:**

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Files	Size	Date & Time	
MESSAGE	212	5/19/2019 11:31:11 PM	
Nuclear Regulatory Commission Memo re May 1 2019 Hearing comments.docx			31557
Turkey Point.JPG	1361799		
Turkey Point 2.JPG	924045		
Turkey Point 3.JPG	1761808		

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**Mary P. Bloom**

**24 Dockside Ln PMB 438**

**Key Largo, FL 33037**

**954-614-2850**

**marypmdb@gmail.com**

# Memo

**To:** TurkeyPoint34SLREIS.Resource@nrc.gov

**From:** Mary P. Bloom

**Date:** May 19, 2019

**Re:** Comments on the Preliminary Results of  
the Environmental Review for Turkey Point  
Nuclear Generating Units 3 and 4  
Subsequent License Renewal

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The following is a recap of comments that I made to the managers and staff of the Nuclear Regulatory Commission who are responsible for determining the GEIS and SEIS for the Turkey Point License Renewal for Generating Units 3 and 4 and who were present at the public hearing in Homestead, FL on May 1, 2019.

“Good afternoon. My name is Mary Bloom and I am president of the Bonefish Bonnies a twenty-year old women’s fishing club at Ocean Reef, a residential community at the north end of Key Largo. We currently have 197 members who not only fish in the Bay waters surrounding Turkey Point but also reside in Monroe County and are dependent on the Biscayne Aquifer as our primary source of drinking water.

We are concerned about the license renewal for Turkey Point as regards the continued use of the cooling canals as the system to cool the nuclear reactors rather than requiring FP&L to build cooling towers which are recognized by the nuclear industry as the best technology for cooling said reactors. The canals lie above the Biscayne Aquifer and have been leaking pollution into the Aquifer and the waters of Biscayne Bay National park for decades.

I have been aware of the problems caused by the cooling canals at Turkey Point but had not actually seen the canals. About a month ago I had the opportunity to fly over the Bay and see them from the air. I was shocked to see what 6,000 acres of open, unlined canals actually look like and how close they are to the open waters of Biscayne Bay. (My photos are included with this document as attachments.)

While FP&L has said that they are addressing the leakages into the Aquifer and the Bay the past five plans and their current sixth plan have not addressed the real problem which is the flawed cooling canal design. As you probably know, Turkey Point is the only nuclear power plant in the world using canals instead of cooling towers.

Yes, FP&L can point to the beneficial impacts of the canals for the American crocodile but, the ever-increasing human population of South Florida and the Keys is being negatively impacted as the quality of our water for drinking, recreation and Everglades restoration continues to be degraded.

Another concern about the canals is in relation to climate change both from rising sea levels as well as storm surges from stronger storms. While the reactors themselves are twenty feet above sea level the canals range from 3.7 to 8.6 feet above sea level which could result in a direct exchange between heavily polluted and hypersaline canal waters with the surrounding Bay and wetlands.

As the salinity of the canals has increased so has the temperature of the water in them. According to an article in the Miami Herald from 2016 overheating in the canals has caused FP&L to shut down reactors at least twice in the past few years.

Please, don't forget the impact on the economies of the Miami-Dade and Monroe Counties if the canals are allowed to continue to pollute the source of our drinking water as well as the fisheries of Biscayne Bay and the creeks that connect the Bay to the ocean. Thousands of people depend on these waters for their livelihoods. Fishing and tourism are the lifeblood of the Keys.

No one who has spoken this afternoon has requested that the Turkey Point license be denied. We are requesting that the NRC fulfill its mission of protecting public health and safety; promoting the common defense and security; and protecting the environment by requiring FP&L to close the canals and build cooling towers as a condition of Turkey Point's operating license renewal.

Thank you for the opportunity to speak to you today."









