

Exelon Nuclear  
Limerick Generating Station  
P.O. Box 2300  
Pottstown, PA 19464

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NPDES PA 00051926

August 24, 2007

Mr. Sohan Garg  
Chief, Permits Section  
Water Management Program  
Department of Environmental Protection  
2 East Main Street  
Norristown, PA 19401

Subject: Cooling Tower Basin Chlorination

Reference: LGS Industrial Waste NPDES Permit PA00051926

Dear Mr. Garg:

Limerick Generating Station has been implementing a conservative cooling tower basin chlorination schedule, in order to ensure that the two hour per day, per unit, NPDES Permit application limit for Total Residual Oxidants is not exceeded.

Since the Spring of 2006, increased algae growth on the cooling tower raceways has been a recurring problem during warm weather months, resulting in blockage of fill section inlets, and spillage over the sides of the raceways. The spill volume has been as great as 19,000 gallons per day, with all flow discharging to Outfall 021. These overflow scenarios result in increased: Operations Department personnel manpower requirements to operate deicing systems when not normally needed; Maintenance personnel activities to mechanically clean the raceways and cooling tower basin weir screens; and sampling and analysis activities as a result of discharges to Outfall 021.

This correspondence is to request an increase in the maximum allowable discharge duration, per unit, from two hours to three hours per day. This would not impact the current daily maximum effluent limitation concentration for Total Residual Oxidants of 0.2 mg/L at Outfall 001.

It is anticipated that this change would preclude problematic algae buildup on the cooling towers, while allowing LGS to meet its continued commitment to full NPDES Permit compliance.

This letter contains no commitments.

Thank you for your cooperation in this matter. Should you have any questions regarding this information, please contact Bob Alejnikov at 610-718-2513.

C001

MR

Sincerely;

A handwritten signature in black ink, appearing to read "Edward W. Callan". The signature is fluid and cursive, with the first name "Edward" being more prominent than the last name "Callan".

Edward W. Callan  
Plant Manager  
Limerick Generating Station  
Exelon Generation Company, LLC

cc: S. Collins, Region 1 Administrator, USNRC  
S. Hansell, Resident Inspector, USNRC  
Document Control Desk, USNRC, Wash. DC

bcc: E. Callan – GML 5-1  
C. Mudrick – GML 5-1  
T. Basso – SSB 2-1  
S. Mitten – SSB 2-1  
R. Alejnikov – SSB 2-1  
T. Siglan – KSA 3N  
R. Kreider – SSB 2-4