PECO ENERGY

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August 15, 1996

Mr. Sohan Garg
Department of Environmental Protection
Bureau of Water Management
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

Dear Mr. Garg:

Subject: Limerick Generating Station NPDES Permit No. PA0051926
Total Suspended Solids Calculation Worksheet

Enclosed is a copy of the subject Total Suspended Solids (TSS) Worksheet. The worksheet has been corrected to include the Perkiomen Creek as a sampling point in Step 1. As per our recent telephone conversation, make-up water for the cooling towers is withdrawn from either the Schuylkill River or the Perkiomen Creek (dependent on temperature and flow conditions in the Schuylkill River). Therefore, to obtain an accurate background TSS level, the appropriate make-up source should be sampled as part of Step 1.

A copy of this letter (including any attachments or enclosures) is being sent to the U.S. Nuclear Regulatory Commission (USNRC), in accordance with the Limerick Generating Station, Units 1 and 2, Environmental Protection Plan, Section 3.2, which stipulates that the USNRC shall receive a copy of any proposed changes to the NPDES permit at the same time that the permitting agency is notified.

If you have any questions or require additional information, please contact me at (215) 841-5177.

Sincerely,

Robert M. Matty, Jr.
Engineer
Environmental Affairs

IE23 1/1

Attachment

cc: U.S. Nuclear Regulatory Commission, Document Control Desk
(Docket Nos. 50-352 and 50-353 & License Nos. NPF-39 and NPF-85)
T. T. Martin, Administrator, USNRC, Region 1
N. S. Perry, USNRC Senior Resident Inspector, LGS

Mr. Ronald Rulon
Delaware River Basin Commission

DETERMINATION OF TOTAL SUSPENDED SOLIDS (NET) WORKSHEET

1. Obtain a grab sample from Schuylkill River and/or Perkiomen Creek on 4 consecutive days and composite using the following formula:

   Day 1 - 7% (35ml) _____/_____ Sampled by / Date and Time

   Day 2 - 15% (75ml) _____/_____ Sampled by / Date and Time

   Day 3 - 27% (135 ml)_____/_____ Sampled by / Date and Time

   Day 4 - 51% (255ml)_____/_____ Sampled by / Date and Time

2. On the fourth day, initiate a 24 hour composite sample of Outfall 001.

   _____ / _____ Started by / Date and Time

3. On the fifth day, retrieve the 001 composite sample.

   _____ / _____ Collected by / Date and Time

4. Analyze Schuylkill River composite for silica

   _____ mg/l _____ / _____
   Analyzed by / Date and Time

5. Analyze 001 composite for silica.

   _____ mg/l _____ / _____
   Analyzed by / Date and Time

6. Determine concentration factor:

   $\frac{\text{001 Silica}}{\text{River Silica}}$ = _____ CF

7. Analyze River composite for TSS.

   _____ mg/l _____ / _____
   Analyzed by / Date and Time

8. Determine background TSS.

   (River Composite) X (Concentration Factor) =
   ( ) X ( ) = _____ _____ mg/l

9. Analyze 001 composite for TSS

   _____ mg/l _____ / _____
   Analyzed by / Date and Time

10. Determine Net TSS

    (001 Composite TSS) - (Background TSS) =
    ( ) - ( ) = _____mg/l

NOTE: For computing averages for DMR reporting and for determining permit complience, all "less than zero" results must be counted as zero values.