PECO ENERGY

PECO Energy Company
2301 Market Street
PO Box 8699
Philadelphia, PA 19101-8699
215 841 4000

July 30, 1997

Mr. James Newbold
Chief, Permits Section
Department of Environmental Protection
Bureau of Water Management
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

Dear Mr. Newbold:

Subject: Limerick Generating Station NPDES Permit No. PA0051926

This letter is being sent to request a temporary approval to discharge effluent from the dewatering of dredge material to stormwater outfall 012 at Limerick Generating Station. Maintenance dredging will be performed in the Schuylkill River Intake Structure Wet Wells.

The sediments will be removed and placed in a low lying area adjacent to the pump house (see attached site map). Water from the dredge material will be discharged through a standpipe to outfall 012 at a discharge rate of approximately 200 gpm. To control the discharge of solids to the river, the standpipe will be covered with a 200 micron mesh canvas material. The estimated discharge volume over the length of the project is 0.5 million gallons.

Approximately 60 cubic yards of dredge material is expected to be removed from the wet wells. Once dewatered, the sediments will be disposed at a permitted waste management facility. The project is scheduled to begin August 8, 1997, and will operate for five days over a four week period. Therefore, your prompt attention to our request would be appreciated.

Please note approval of this temporary discharge was previously granted by PaDEP in July 1993 and August 1996. Enclosed for your information is a copy of the 1996 approval as well as sampling data obtained during the 1993 and 1996 dredge dewatering operations.

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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

Attachment

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

Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

Southeast Regional Office

610-832-6130
Fax 610-832-6133

August 9, 1996

Robert M. Matty, Jr.
Engineer, Environmental Affairs
PECO Energy Company
2301 Market Street
PO Box 8699
Philadelphia, PA 19101-8699

Re: Limerick Generating Station
WQ/General IW Correspondence
Limerick Township
Montgomery County

Dear Mr. Matty:

This is in response to your July 10, 1996 letter requesting approval to discharge wastewater generated from the dredging operation of the Schuylkill River Pumphouse Wet Wells at the Limerick Generating Station. The discharge is expected to occur for one week beginning August 12, 1996.

The wastewater will discharge to the Schuylkill River through a standpipe to stormwater Outfall 012 at a maximum flow rate of 200 gpm. We hereby approve your request to discharge subject to the following conditions:

1. The following discharge requirements shall be met.

   A. The discharge shall not contain any substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant, or aquatic life.

   B. pH: 6.0 to 9.0 Standard Units

   C. Iron: as total iron and as dissolved iron shall be monitored daily.

   D. Oil and Grease: shall be monitored daily.

   E. Total Suspended Solids: shall be monitored daily.

2. The wastewater discharge to the stormwater Outfall 012 shall be monitored daily for the above pollutants until the discharge ceases. A composite sample must be collected for iron and total suspended solids and a grab sample for pH and oil and grease.

3. The monitoring reports shall be submitted to:

   Pennsylvania Department of Environmental Protection
   Field Operations - Water Management
   Lee Park, Suite 6010
   555 North Lane
   Conshohocken, PA 19428

4. This approval shall expire upon completion of the above dredging operation.

If you have any questions, please contact Sohan Garg of our staff.

Sincerely,

Joseph A. Feola

Joseph A. Feola
Regional Manager
Water Management

cc: Montgomery County Health Department
Delaware River Basin Commission
Limerick Township
Mr. O'Neil
Mr. Newbold
Mr. Ryan
Re 30 (KAL)212.24

Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

August 20, 1996

Southeast Regional Office

610-832-6130
Fax 610-832-6133

Robert M. Matty, Jr.
Engineer, Environmental Affairs
PECO Energy Company
2301 Market Street
PO Box 8699
Philadelphia, PA 19101-8699

Re: Limerick Generating Station
WQ/General IW Correspondence
Limerick Township
Montgomery County

Dear Mr. Matty:

On August 9, 1996 authorization to discharge wastewater from the dredging of the Schuylkill River Pumphouse wet wells of the Limerick Generating Station to the Schuylkill River was granted. The one week dredging of the wet wells was scheduled to begin August 12, 1996. The wastewater from the dredge material discharges to the Schuylkill River at Outfall 012 of the NPDES Permit PA0051926.

On August 12, 1996 during our telephone conversation and through your August 12, 1996 letter it was told that the dredging would be done in the Schuylkill River at a location just in front of the intake structure of the Limerick Generating Station instead of the pumphouse wet wells.

We have completed our review of the information contained in your August 12, 1996 letter and hereby approve your request subject to the conditions 1 through 4 of our previous approval dated August 9, 1996.

If you have any questions, please contact me.

Sincerely,

Sohan L. Garg

Sohan L. Garg
Environmental Engineer III
Water Management

cc: Montgomery County Health Department
Delaware River Basin Commission
Limerick Township
Mr. O'Neil
Mr. Newbold
Mr. Ryan
Re 30 (KAL)232.18

DISCHARGE MONITORING REPORT SUPPLIMENTAL FORM
LIMERICK GENERATING STATION
Limerick Township
Montogomery County

For the ***MONTH*** Aug-Sept *1996*

DATE	pH *STD*	TSS *mg/l*	O&G *mg/l*	Iron(dis) *mg/l*	Iron(total) *mg/l*
26-Aug	7.2	126.9	1.4	0.029	5.0768
27-Aug	7.44	221.3	0.9	0.035	8.1837
28-Aug	7.54	160	1.2	0.52	5.9904
29-Aug	7.57	125.5	1.6	0.022	3.8378
30-Aug	7.36	180	0.9	0.015	5.256
4-Sep	7.33	205	1.2	0.014	4.596
5-Sep	7.44	116.5	2.8	0.019	2.845

Laboratory Name : VF Labs In House? _____ Signature _____

REMARKS:

Telephone: (610) 718-2711

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

FIELD OPERATIONS - WATER MANAGEMENT PROGRAM
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428
215 832-6130

July 1, 1993

George M. Morley
Manager, Environmental Affairs
Philadelphia Electric Company
2301 Market Street
Philadelphia, PA 19101

Re: Limerick Generating Station
WQ: General IW Correspondence
Limerick Township
Montgomery County

Dear Mr. Morley:

This is in response to your letter of June 18, 1993 requesting approval to discharge wastewater generated from the dredging operation of the Schuylkill River Pumphouse Wet Wells at the Limerick Generating Station. The discharge is expected to occur for one week.

The wastewater will discharge to the Schuylkill River through a standpipe to stormwater Outfall 012 at a maximum flow rate of 200 gpm. We hereby approve your request to discharge subject to the following conditions:

1. The following discharge requirements shall be met. These requirements supersede the conditions contained in our previous approval dated June 15, 1993:

   A. The discharge shall not contain any substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant, or aquatic life.

   B. PH - 6.0 to 9.0 Standard Units

   C. Iron - as total iron and as dissolved iron shall be monitored daily.

   D. Oil and Grease - shall be monitored daily.

   E. Total Suspended Solids - shall be monitored daily.

2. The wastewater discharge to the Stormwater Outfall 012 shall be monitored daily for the above pollutants until the discharge ceases. A composite sample must be collected for Iron and Total Suspended Solids and a grab sample for PH and Oil and Grease.

3. The monitoring reports shall be submitted to:

Pennsylvania Department of Environmental Resources
Field Operations - Water Management
Suite 6010, Lee Park
555 North Lane
Conshohocken, PA 19428

4. This approval shall expire on July 10, 1993 or completion of dredging operation whichever occurs earlier.

If you have any questions, please contact Sohan L. Garg of our staff.

Very truly yours,

Joseph A. Feola

JOSEPH A. FEOLA
Water Management Program Manager

cc: Montgomery County Health Department
DRBC
Operations Section
Limerick Township
Re 30 (RN)181.9

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

September 1, 1993

Department of Environmental Resources
Field Operations - Water Management
Suite 6010, Lee Park
555 North Lane
Conshohocken, PA 19428

Gentlemen:

Limerick Generating Station NPDES Permit No. PA0051926
Discharge of Effluent from Dredge Material to the Schuylkill River

Enclosed are the sampling results from the subject dredging operation at Limerick Generating Station. As per the approval letter (attached), outfall 012 was monitored for pH, total iron, dissolved iron, total suspended solids and oil and grease. The duration of the operation was four days, 8 hours a day. Please note that the samples for total iron, dissolved iron and total suspended solids were not composited. Four samples were taken daily and each sample analyzed individually for the required parameters. While the approval requested composite sampling, the sampling and analyses performed provides a more detailed characterization of the effluent.

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

Sincerely,

George M. Morley
Manager
Environmental Affairs

Attachment

Chemistry Laboratory
Corporate Laboratories Division
Station Support Department

Analysis of Sludge Pit Discharge Water Samples

Report No. CL - 29043
Limerick Generating Station

June 30, 1993

Laboratory Sample Nos. A-7888 to A-7898: Eleven (11) water samples from Schuylkill River Pumphouse Sludge Pit Discharge. Received for analysis on June 24, 1993.

Purpose of Analysis

The purpose of the analysis was to determine the suspended solids, pH, soluble and insoluble iron and oil and grease concentrations in the water samples.

Analysis

The water samples were analyzed by Flame Atomic Absorption Spectroscopy (AA) for iron. Oil and grease was determined by extracting the oil and grease from the samples with freon and analyzing the extracts by Infrared Spectrophotometry (IR). The suspended solids (TSS) was determined by filtering a known volume of sample through a filter and weighing the filter before and after filtration. pH was determined potentiometrically using a pH electrode.

Results

Sample Number	Date/Time Sampled	pH	Concentration in mg/L			
			TSS	Oil & Grease	Iron (Soluble)	Iron (Insoluble)
A-7888	6/22/93 0920	-	-	1.1	-	-
A-7889	6/22/93 0920	7.36	116	-	0.677	4.598
A-7890	6/22/93 1130	7.45	32	-	0.395	1.184
A-7891	6/22/93 1330	7.50	26	-	0.396	0.963
A-7892	6/22/93 1520	7.50	21	-	0.317	0.874
A-7893	6/23/93 0830	-	-	0.9	-	-
A-7894	6/23/93 0840	7.74	32	-	0.148	1.115
A-7895	6/23/93 1040	7.76	27	-	0.134	1.055
A-7896	6/23/93 1250	7.58	9	-	0.181	0.419
A-7897	6/23/93 1445	7.58	9	-	0.179	0.415
A-7898	6/23/93 1610	7.53	12	-	0.131	0.569

Analysis by: JRG/VMB

John R. George Jr.
Chemist

Approved: V.C. Sprissler
G.C. Sprissler
Manager, Chemistry Laboratory

cc: C. G. Diehl (Limerick Generating Station SSB3-1), J. R. George, Jr., File

Chemistry Laboratory
Corporate Laboratories Division
Station Support Department

Analysis of Sludge Pit Discharge Water Samples

Report No. CL - 29044
Limerick Generating Station

July 7, 1993

Laboratory Sample Nos. A-7903 to A-7913: Eleven (11) water samples from Schuylkill River Pumphouse Sludge Pit Discharge. Received for analysis on July 1, 1993.

Purpose of Analysis

The purpose of the analysis was to determine the suspended solids, pH, soluble and insoluble iron and oil and grease concentrations in the water samples.

Analysis

The water samples were analyzed by Flame Atomic Absorption Spectroscopy (AA) for iron. Oil and grease was determined by extracting the oil and grease from the samples with freon and analyzing the extracts by Infrared Spectrophotometry (IR). The suspended solids (TSS) was determined by filtering a known volume of sample through a filter and weighing the filter before and after filtration. pH was determined potentiometrically using a pH electrode.

Results

Sample Number	Date/Time Sampled	pH	Concentration in mg/L			
			TSS	Oil & Grease	Iron (Soluble)	Iron (Insoluble)
A-7903	6/24/93 0830	6.99	58	-	0.052	1.989
A-7904	6/24/93 0835	-	-	<0.8	-	-
A-7905	6/24/93 1030	7.00	58	-	0.080	1.825
A-7906	6/24/93 1240	7.15	6	-	0.060	0.232
A-7907	6/24/93 1445	7.12	6	-	0.052	0.178
A-7908	6/28/93 0915	-	-	<0.8	-	-
A-7909	6/28/93 0920	7.50	13	-	0.264	0.619
A-7910	6/28/93 1120	7.48	14	-	0.309	0.562
A-7911	6/28/93 1320	7.53	13	-	0.272	0.605
A-7912	6/28/93 1520	7.39	10	-	0.229	0.346
A-7913	6/28/93 1630	7.40	10	-	0.244	0.315

Analysis by: JRG/RJM

John R. George, Jr.
Chemist

Approved: G.C. Sprissler
G.C. Sprissler
Manager, Chemistry Laboratory

cc: C. G. Diehl (Limerick Generating Station SSB3-1), J. R. George, Jr., File