



**CENTERIOR  
ENERGY**

**PERRY NUCLEAR POWER PLANT**

10 CENTER ROAD  
PERRY, OHIO 44081  
(216) 259-3737

Mail Address:  
PO. BOX 97  
PERRY, OHIO 44081

**Donald C. Shelton**  
SENIOR VICE PRESIDENT  
NUCLEAR

February 6, 1995  
PY-CEI/NRR-1906L

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Perry Nuclear Power Plant  
Docket No. 50-440  
NPDES Permit Changes

Gentlemen:

Enclosed for your information are copies of three Ohio Environmental Protection Agency approvals for the use of cooling water system additives at the Perry Nuclear Power Plant received since April 1992. This information is provided pursuant to Section 3.2 of the Environmental Protection Plan, Appendix B to the Operating License, NPF-58.

If you have questions or require additional information, please contact Louise Barton at (216) 280-5512.

Very truly yours,

*Don C. Shelton for*  
*DC Shelton*

LKB:sc

Enclosures

cc: NRC Project Manager  
NRC Resident Inspector Office  
NRC Region III

130022

Operating Companies  
Cleveland Electric Illuminating  
Toledo Edison

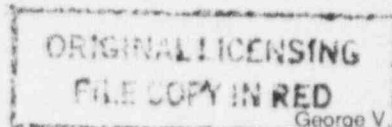
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State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.  
Columbus, Ohio 43266-0149  
(614) 644-3020  
FAX (614) 644-2329



George V. Voinovich  
Governor

Donald R. Schregardus  
Director

April 20, 1992

Re: Director's Final Findings and Orders  
CEI-Perry Nuclear Power Plant  
OEPA Permit No. 3IB00016

Louise Barton  
Cleveland Electric Illuminating Co.  
Perry Nuclear Power Plant  
10 Center Road  
Perry, OH 44081

Transmitted herewith is one copy of the Director's Final Findings and Orders in the referenced matter.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Robert E. Phelps, P.E. Manager  
Permit Administration Section  
Division of Water Pollution Control

REP/mbn

Certified Mail

cc: George Elmaraghy, DWPC  
Heidi Sorin, DWPC  
Dennis Lee, NEDO/DWPC  
Journal Room  
File

*file with*  
*PI-CEI/OEPA-01516*

Date Issued April 20, 1992  
Date Effective April 20, 1992

BEFORE THE  
OHIO ENVIRONMENTAL PROTECTION AGENCY

In the matter of: : Director's Final Findings  
CEI-Perry Nuclear Power Plant : and Orders  
Cooling Water Additive Request

Pursuant to Ohio Revised Code Section 6111.03(H), the Director of the Ohio Environmental Protection Agency (Ohio EPA) hereby makes the following Findings and issues the following Orders:

FINDINGS

1. The Cleveland Electric Illuminating Company, owns and operates the Perry Nuclear Power Plant, hereinafter referred to as "CEI-Perry", located at 10 Center Road, Perry, Ohio.
2. CEI-Perry currently holds an NPDES permit (No. 3IB00016, OH0063461) for the discharge of wastewater to Lake Erie.
3. Part II, Other Requirements, B. of the aforementioned NPDES permit requires that, "In the event that the permittee's operation shall require the use of a cooling water treatment additive, written permission must be obtained from the Ohio Environmental Protection Agency. The permittee shall demonstrate that the use of the additive in the concentrations expected will not be harmful or inimical to aquatic life as determined by acute static bioassays".
4. On April 7, 1992, CEI-Perry applied to the Ohio EPA to receive written permission for the use of Betz DE-1579 cooling water treatment additive to remove calcium carbonate scale from the heat exchanger. The use of this additive is for temporary cleaning only.
5. The proposed discharge concentration of Betz DE-1579 contained in the final effluent entering Lake Erie is 30 mg/l.
6. The static acute bioassay information contained in CEI-Perry's April 7, 1992 application adequately demonstrates that the proposed discharge concentration for the Betz DE-1579 of 30 mg/l should not be harmful or inimical to aquatic life.
7. The Director has given consideration to, and based his determination on, evidence relating to the technical feasibility and economic reasonableness of complying with these Orders and to evidence relating to conditions calculated to result from compliance with these Orders, and its relation to the benefits to the people of the State to be derived from such compliance in accomplishing the purposes of Chapter 6111 of the Revised Code.

01107

I certify this to be a true and accurate copy of the  
as presented as filed in the records of the Ohio  
Environmental Protection Agency.

Form EPA 4456

Online Mackey Date 4/20/92

DIRECTOR'S OFFICE

ORDERS

1. The proposed use of the Betz DE-1579 cooling water additive at CEI-Perry is approved and is subject to compliance with all applicable laws, rules, regulations, standards and the conditions contained herein.
2. In order to make an alternative proposal, or if additional cooling water additives are needed, a separate request must be submitted to the Ohio EPA, Division of Water Pollution Control, Enforcement and Compliance Section.
3. The cooling water additive treatment program may only be applied in accordance with the proposal approved by the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved proposal without the express, written approval of the Agency. Any deviation from the proposal or the above conditions may lead to revocation of these findings and orders and/or other sanctions and penalties provided under Ohio law. Approval of this proposal does not constitute an assurance that the cooling water additive treatment program will operate in compliance with all Ohio laws and regulations. Additionally, the terms and conditions of this approval do not relieve a permitted facility from complying with all monitoring requirements and effluent limitations that have been established in its NPDES permit.

*Donald R. Schregardus*

Donald R. Schregardus  
Director

April 20, 1992

Date

I certify this to be a true and accurate copy of the official document as filed in the records of the Ohio Environmental Protection Agency.

*Cheryl Mackey* Date 4/20/92



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.  
Columbus, Ohio 43266-0149  
(614) 644-3020  
FAX (614) 644-2329

George V. Voinovich  
Governor

Donald R. Schregardus  
Director

June 26, 1992

Re: Director's Final Findings and Orders  
CEI - Perry Nuclear Power Plant  
OEPA Permit No. 3IB00016

Louise Barton  
Cleveland Electric Illuminating Company  
Perry Nuclear Power Plant  
10 Center Road  
Perry, OH 44081

Transmitted herewith is one copy of the Director's Final Findings and Orders in the referenced matter.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Robert E. Phelps, P.E. Manager  
Permit Administration Section  
Division of Water Pollution Control

REP/mbn

Certified Mail

cc: George Elmaraghy, DWPC  
Heidi Sorin, DWPC  
Dennis Lee, NEDO/DWPC  
Journal Room  
File

Date Issued June 26, 1992  
Date Effective June 26, 1992

BEFORE THE  
OHIO ENVIRONMENTAL PROTECTION AGENCY

In the matter of: Director's Final Findings  
CEI - Perry Nuclear Power Plant : and Orders  
Cooling Water Additive Request

Pursuant to Ohio Revised Code Section 6111.03(H), the Director of the Ohio Environmental Protection Agency (Ohio EPA) hereby makes the following Findings and issues the following Orders:

FINDINGS

1. The Cleveland Electric Illuminating Company, owns and operates the Perry Nuclear Power Plant, hereinafter referred to as "CEI - Perry", located at 10 Center Road, Perry, Ohio.
2. CEI - Perry currently holds an NPDES permit (No. 3IB00016, OH0063461) for the discharge of wastewater to Lake Erie.
3. Part II, Other Requirements, B. of the aforementioned NPDES permit requires that, "In the event that the permittee's operation shall require the use of a cooling water treatment additive, written permission must be obtained from the Ohio Environmental Protection Agency. The permittee shall demonstrate that the use of the additive in the concentrations expected will not be harmful or inimical to aquatic life as determined by acute static bioassays".
4. On June 12, 1992, CEI - Perry applied to the Ohio EPA to receive written permission for the use of Betz Slimicide C-78P cooling water treatment additive to control slime and algae in the plant recirculating water system.
5. The proposed discharge concentration of Betz Slimicide C-78P contained in the final effluent entering Lake Erie is 0.05 mg/l, measured as total residual oxidants (TRO) for no more than two (2) hours per day.
6. The static acute bioassay information contained in CEI-Perry's application adequately demonstrates that the proposed discharge concentration for the Betz Slimicide C-78P of 0.05 mg/l TRO should not be harmful or inimical to aquatic life.
7. The Director has given consideration to, and based his determination on, evidence relating to the technical feasibility and economic reasonableness of complying with these Orders and to evidence relating to conditions calculated to result from compliance with these Orders, and its relation to the benefits to the people of the State to be derived from such compliance in accomplishing the purposes of Chapter 6111 of the Revised Code.

0119Z

I certify this to be a true and accurate copy of the  
official document as filed in the records of the Ohio  
Environmental Protection Agency.

Form EPA 1456 By: Mary Carvin Date 6-26-92

OHIO EPA

JUN 26 1992

HEAD DIRECTOR'S OFFICE



ORDERS

1. The proposed use of the Betz Slimicide C-78P cooling water additive at CEI - Perry is approved and is subject to compliance with all applicable laws, rules, regulations, standards and the conditions contained herein.
2. In order to make an alternative proposal, or if additional cooling water additives are needed, a separate request must be submitted to the Ohio EPA, Division of Water Pollution Control, Enforcement and Compliance Section.
3. The cooling water additive treatment program may only be applied in accordance with the proposal approved by the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved proposal without the express, written approval of the Agency. Any deviation from the proposal or the above conditions may lead to revocation of these findings and orders and/or other sanctions and penalties provided under Ohio law. Approval of this proposal does not constitute an assurance that the cooling water additive treatment program will operate in compliance with all Ohio laws and regulations. Additionally, the terms and conditions of this approval do not relieve a permitted facility from complying with all monitoring requirements and effluent limitations that have been established in its NPDES permit.

*Donald R. Schregardus*

Donald R. Schregardus  
Director

June 26, 1992

Date

I certify this to be a true and accurate copy of the  
official document as filed in the records of the Ohio  
Environmental Protection Agency.

By: Mary Carvin Date 6-26-92



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.  
Columbus, Ohio 43266-0149  
(614) 644-3020  
FAX (614) 644-2329

George V. Voinovich  
Governor

Re: PCE/CERA - 0200L

June 15, 1994

Re: Director's Final Findings and Orders  
Ohio EPA Permit No.: 3IB00016  
Facility Name: Centerior Energy

Centerior Energy  
Perry Nuclear Power Plant  
Attn: Robert A. Stratman, V.P. Nuclear  
10 Center Road  
Perry, Ohio 44081

Ladies and Gentlemen:

Transmitted herewith is one copy of the Director's Final Findings and Orders in the referenced matter.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
236 East Town Street, Room 300  
Columbus, OH 43215

Sincerely,

Robert E. Phelps, P.E., Manager  
Permit Administration Section  
Division of Surface Water

REP/mmt

Enclosure

CERTIFIED MAIL

cc: G. Elmaraghy, DSW  
H. Sorin, DSW  
R. Bell, NEDO/DSW  
Journal Room  
File



Date Issued: June 15, 1994  
Date Effective: June 15, 1994

BEFORE THE  
OHIO ENVIRONMENTAL PROTECTION AGENCY

In the matter of:  
CEI - Perry Nuclear  
Cooling Water Additive Request

Director's Final Findings  
and Orders

Pursuant to the Ohio Revised Code Section 6111.03(H), the Director of the Ohio Environmental Protection Agency (Ohio EPA) hereby makes the following Findings and issues the following Orders:

FINDINGS

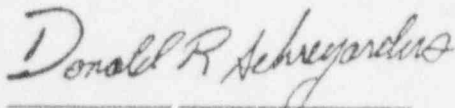
1. Centerior Energy, owns and operates the Perry Nuclear Power Plant, hereinafter referred to as "CEI-Perry Nuclear", located at 10 Center Road, Perry, Ohio.
2. CEI-Perry Nuclear currently holds an NPDES permit (No. 3IB00016, OH0063461) for the discharge of wastewater to Lake Erie.
3. Part II, Other Requirements, B. of the aforementioned NPDES permit requires that, "In the event that the permittee's operation shall require the use of a cooling water treatment additive, written permission must be obtained from the Ohio Environmental Protection Agency. The permittee shall demonstrate that the use of the additive in the concentrations expected will not be harmful or inimical to aquatic life as determined by acute static bioassays."
4. On April 22, 1994, CEI-Perry Nuclear applied to the Ohio EPA to receive written permission for the use of Calgon Towerbrom 960 cooling water treatment additive to control slime and algae in the plant circulating water system. Calgon Towerbrom 960 is shot-fed two times per day for and will be discharged for less than two hours per day. The use of Calgon Towerbrom 960 was approved by Ohio EPA through Director's Final Findings and Orders issued and effective April 29, 1994.
5. The originally proposed discharge concentration of Calgon Towerbrom 960 contained in the final effluent entering Lake Erie was 0.0 mg/l. CEI-Perry Nuclear has proposed to dehalogenate its effluent with sodium sulfite, but indicated that some residual halogen may exist in the effluent. Therefore, CEI-Perry Nuclear has proposed to discharge no more than 0.05 mg/l per day of Total Residual Oxidants (TRO).
6. The static acute bioassay information contained in CEI-Perry Nuclear's April 22, 1994 application adequately demonstrates that the proposed discharge concentration for the Calgon Towerbrom 960 of 0.05 mg/l of TRO should not be harmful or inimical to aquatic life.
7. The Director has given consideration to, and based his determination on, evidence relating to the technical feasibility and economic reasonableness of complying with these Orders and to evidence relating to conditions calculated to result from compliance with these Orders, and its relation to the benefits to the people of the State to be derived from such compliance in accomplishing the purposes of Chapter 6111 of the Revised Code.

I certify this to be a true and accurate copy of the official document as filed in the records of the Ohio Environmental Protection Agency.

By: Mary Gavin Date 6-15-94

ORDERS

1. The Director's Final Findings and Orders issued and effective April 29, 1994, are hereby modified.
2. The proposed use of the Calgon Towerbrom 960 cooling water additive at CEI-Perry Nuclear is approved and is subject to compliance with all applicable laws, rules, regulations, standards, and the conditions contained herein.
3. In order to make an alternative proposal, or if additional cooling water additives are needed, a separate request must be submitted to the Ohio EPA, Division of Surface Water, Compliance Monitoring and Enforcement Section.
4. The cooling water additive treatment program may only be applied in accordance with the proposal approved by the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved proposal without the express, written approval of the Agency. Any deviation from the proposal or the above conditions may lead to revocation of these Findings and Orders and/or other sanctions and penalties provided under Ohio law. Approval of this proposal does not constitute an assurance that the cooling water additive treatment program will operate in compliance with all Ohio laws and regulations. Additionally, the terms and conditions of this approval do not relieve a permitted facility from complying with all monitoring requirements and effluent limitations that have been established in its NPDES permit.

  
Donald R. Schregardus  
Director

June 15, 1994  
Date

OHIO EPA  
JUN 15 1994  
R.D. DIRECTOR

I certify this to be a true and accurate copy of the official document as filed in the records of the Ohio Environmental Protection Agency.

By Mary Carvin Date 6.15.94