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AIR POLLUTION CONTROL PERMIT
MANDATORY OPERATION PERMIT
FOR AN EXISTING AIR CONTAMINANT SOURCE

FACILITY ID NO. 241007140 SIC NO. 2891

ELECTIVE OPERATION PERMIT NO. 86-MJT-037

TYPE OF SOURCE: Two (2) natural gas and #6 fuel oil fired boilers and three (3) natural gas fired boilers. Each boiler rated at 50 million BTU/hour

THIS OPERATING PERMIT IS PERMANENT UNLESS ALTERED, REVOKED, OR SUSPENDED.

In compliance with the provisions of Chapter 144, Wis. Stats., and Chapters NR 154, NR 155 and NR 400 to 499, Wis. Adm. Code,

Name of Source: Peter Cooper Corporation
Street Address: 9006 South 5th Avenue

Principal Officer or Authorized Representative & Title:
Mr. Victor Apps, Plant Manager

is authorized to operate five 50 million BTU/hour boilers located at 9006 South 5th Avenue, Oak Creek, Wisconsin in accordance with the permit application dated November 21, 1985 and subsequent submittals in support of the application dated June 10, 1986, and in accordance with the conditions stated herein.

This authorization requires compliance by the permit holder with the emission limitations, monitoring requirements and other terms and conditions set forth in Parts I and II hereof.

Dated at Madison, Wisconsin this 23 day of September, 1986.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

By J. G. Hochmuth
L. Wible, P.E., Administrator
Division of Environmental Standards

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PART I

SPECIFIC PERMIT CONDITIONS

BY CATEGORY OF EMISSION UNITS:

1. Categorical Emission Limitation

Pollutant	Applicable Wisconsin Adm. Code or Statute	Limitation/ Requirement
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Boilers 22 and 23 - #6 Fuel Oil fired

<u>Pollutant</u>	<u>Applicable Wis. Adm. Code or Statute</u>	<u>Limitation</u>
Particulate	NR 154.11(4)(b)3.a.	0.27 pounds per million BTU to any stack*
Sulfur Dioxide SO ₂	Sec. 144.394(3)	1.9 pounds per million BTU***
Nitrogen Oxide	Sec. 144.394(6)	1.7 pounds per hour
Visible Emission	Sec. NR 154.11(6)(a)1., Wis. Adm. Code	#1 of Ringelmann Chart or 20% opacity

Boilers 20, 21, 24 - Natural Gas fired

<u>Pollutant</u>	<u>Applicable Wis. Adm. Code or Statute</u>	<u>Limitation</u>
Particulates	NR 154.11(4)(b)3.a.	0.27 pounds per million BTU to any stack**
Nitrogen Oxides	Sec. 144.394(6) Wis. State Statutes	18.65 pounds per hour
Carbon Monoxide	Sec. 144.394(6) Wis. State Statutes	1.7 pounds per hour
Visible Emissions	Sec. NR 154.11(6)(a)1.,	#1 of Ringelman Chart or 20% opacity

* Applicable limitations are set for each of five (5) 50 million BTU per hour boilers since each has a separate stack and two fuel types are used.

** Maximum emission defined by the equation, $E=0.3-0.0006I$ where I is heat input in millions of BTU per hour and E is maximum allowable particulate emissions in pounds per million BTU to any stack. In this case, each boiler is rated at 50 million BTU/hour so the emission per boiler is $E=0.3-0.0006(50)=0.27$ pounds per million BTU.

*** SO₂ limitations based on a negotiated maximum steam generation of 70,000 lbs steam/hour firing a residual fuel oil with a 1.7% or less sulfur content. The SO₂ emission rate is 163 pounds sulfur dioxide per hour giving an air quality impact that corresponds to the 24-hour National Ambient Air Quality Standard of 365 micrograms per cubic meter.

2. Other Conditions:

- A. The following records must be maintained for a three year period at the permitted facility and be available during inspection by the Department of Natural Resources representatives.
- Steam charts for each boiler and daily average.
 - #6 fuel oil burned each day for each boiler fired.
 - Weight percent of sulfur in #6 fuel oil for each load delivered to the facility.
 - Cubic feet of natural gas.
- B. Boilers #22 and 23 (as listed in the air emissions inventory) can be fired with #6 fuel oil with a maximum sulfur content of 1.7% by weight or alternately, natural gas. The combined steam production rate of these two boilers cannot exceed 70,000 pounds per hour when boilers are fired with #6 fuel oil.
- C. Boilers 20, 21 and 24 can only be fired with natural gas.

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AIR POLLUTION CONTROL PERMIT

ATTAINMENT AREA MAJOR SOURCE

EI FACILITY NO. 460033090 PERMIT NO. 86-SJK-71A
STACK NO.(S). S11 TYPE: Elective Operation Permit
SOURCE NO.(S). B23, B24

THIS OPERATING PERMIT IS PERMANENT UNLESS ALTERED, REVOKED OR SUSPENDED.

In compliance with the provisions of Chapter 144, Wis. Stats., and Chapters NR 400 to NR 499, Wis. Adm. Code,

Name of Source: Wisconsin Power and Light Company

Street Address: Edgewater Generating Station
Lakeshore Drive, Sheboygan, WI 53081

Principal Officer or Authorized Representative, & Title:
Susan Tikalsky, Director of Environmental Affairs

is authorized to operate two facility boilers described in the plans and specifications dated April 30, 1985, December 11, 1987, December 30, 1987 and January 29, 1988 in conformity with the conditions herein.

This authorization requires compliance by the permit holder with the emission limitations, monitoring requirements and other terms and conditions set forth in Parts I and II hereof.

Dated at Madison, Wisconsin this 25th day of May, 1988.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

By Donald F. Theiler D&P
Donald F. Theiler, Director
Bureau of Air Management

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— PART I
SPECIFIC PERMIT CONDITIONS

A. Specific Emission Limitations

<u>Pollutant</u>	<u>Applicable Wis. Adm. Code or Wis. Statute</u>	<u>Limitation/Requirement</u>
<u>Boiler B23</u>		
PM		
1. State limit	Sec. NR 415.06(1)(a), Wis. Adm. Code	0.60 lb/10 ⁶ BTU
2. Federal limit	PSD permit, EPA-5-77-A-3	0.13 lb/10 ⁶ BTU (solid particulate)
SO ₂	Sec. NR 417.07(5), Wis. Adm. Code	4.07 lbs/10 ⁶ BTU, 30 day rolling average
	Sec. NR 417.07(5), Wis. Adm. Code	6.60 lb/10 ⁶ BTU, 24-hour average
CO	Sec. NR 426.025, Wis. Adm. Code	18.00 lb/hr
NO _x	Sec. NR 428.03, Wis. Adm. Code,	1,359.76 lb/hr
Organic Compounds	Sec. NR 419.03(1), Wis. Adm. Code	2.10 lb/hr
Pb	Sec. NR 427.025, Wis. Adm. Code	0.10 lb/hr, 30 day rolling average
Malodorous Emissions	Sec. NR 429.03(1), Wis. Adm. Code	General limitation, See Note 1
Visible Emissions	Sec. NR 431.04(1), Wis. Adm. Code	40% opacity, or #2 of the Ringelmann Chart
Hazardous Pollutants	Sec. NR 445.03, Wis. Adm. Code	General limitation, See Note 1

Boiler B24

PM

1. State limit	Sec. NR 415.06(1)(a), Wis. Adm. Code	0.60 lb/10 ⁶ BTU
2. Federal limit	PSD permit, EPA-5-77-A-3	0.13 lb/10 ⁶ BTU (solid particulate)
SO ₂	Sec. NR 417.07(5), Wis. Adm. Code	4.07 lbs/10 ⁶ BTU, 30 day rolling average
	Sec. NR 417.07(5), Wis. Adm. Code	6.60 lb/10 ⁶ BTU, 24-hour average
CO	Sec. NR 426.025, Wis. Adm. Code	89.10 lb/hr
NO _x	Sec. NR 428.03, Wis. Adm. Code,	5,560.48 lb/hr
Organic Compounds	Sec. NR 419.03(1), Wis. Adm. Code	10.40 lb/hr
Pb	Sec. NR 427.025, Wis. Adm. Code	0.33 lb/hr, 30 day rolling average
Malodorous Emissions	Sec. NR 429.03(1), Wis. Adm. Code	General limitation, See Note 1
Visible Emissions	Sec. NR 431.04(1), Wis. Adm. Code	40% opacity, or #2 of the Ringelmann Chart
Hazardous Pollutants	Sec. NR 445.03, Wis. Adm. Code	General limitation, See Note 1

Note 1: No person shall cause, suffer, allow, or permit emission into the ambient air any substance or combination of substances which substantially contribute to the exceeding of an air standard or cause air pollution.

B. Other Specific Conditions

1. The reporting and recordkeeping requirements of Section NR 439.03 and 439.04, Wis. Adm. Code, respectively, shall apply to the operation of Boilers B23 and B24.
2. The methods and procedures contained in Sec. NR 439.06, Wis. Adm. Code, shall be used to determine compliance with applicable emission limitations.
3. The methods and procedures contained in Sec. NR 439.07(1), Wis. Adm. Code, shall be used to perform compliance emission testing for particulate matter. The frequency of this testing shall be as specified by Sec. NR 439.12(1)(c)3., Wis. Adm. Code.
4. Compliance emission testing for sulfur dioxide shall be performed as required by Ch. NR 439, Wis. Adm. Code.
5. The continuous emission monitoring system requirement contained in permit NS-79-60-05 remains valid. WP&L's daily fuel sampling and analysis program, as described in the sulfur dioxide compliance plan submitted to the Department on December 30, 1987, may be utilized for the purpose of determining periodic compliance with sulfur dioxide emission limitations for Boilers B23 and B24, provided that all applicable requirements of Sec. NR 439.12(2), Wis. Adm. Code, are met. The quarterly reports submitted by WP&L under Sec. NR 439.12(2), Wis. Adm. Code, shall also identify the magnitude and duration all sulfur dioxide emission limitation exceedances detected by operation of the sulfur dioxide continuous emission monitoring system. The sulfur dioxide continuous emission monitoring system shall continue to be operated by WP&L, unless written approval is granted by the Department for ceasing operation.
6. The continuous emission monitoring system used to determine compliance with visible emission limitations shall meet the applicable requirements of Sec. NR 439.07(3), Wis. Adm. Code.

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PART II
GENERAL PERMIT CONDITIONS
FOR DIRECT STATIONARY SOURCES

A. Scope

This permit is valid only for the structure, building, facility, equipment or operations specifically identified herein. All emissions authorized hereby shall be consistent with the terms and conditions of Parts I and II of this permit.

B. Prevention of Air Pollution

No person may cause, allow or permit the emissions of any air contaminant into the ambient air from a source subject to this permit which substantially contribute to the exceeding of an air standard of which cause air pollution.

C. Notification Requirements

Pursuant to sec. 144.394(3), Wis. Stats., and sections NR 445.05 and 439.025(6), Wis. Adm. Code, the Department shall be notified of the following events:

<u>Event</u>	<u>Timing</u>
Hazardous substance air spill	Immediate call: (608)266-3232
Malfunction or event not reported in advance which causes or may cause any violation of an emission limitation.	Within 8 hours of onset
Noncompliance with any other specified in this permit.	Written notification within 5 days identifying noncompliance, cause, duration, and steps taken to prevent reoccurrence.

D. Advance Notice of Startup or Shutdown

The permittee shall report to the Department in advance schedules for planned shutdown and startup of air pollution control equipment and the measures to be taken to minimize the down time of the control equipment. Scheduled maintenance or startup of other equipment which causes an emission limit to be exceeded shall also be reported in advance to the Department. Advance reporting pursuant to this permit condition or sec. NR 439.025(8), Wis. Adm. Code, shall not relieve any person from the duty to comply with any applicable emission limitations.

E. Right of Entry

Pursuant to sec. 144.34, Wis. Stats., the permittee shall allow authorized representatives of the Department of Natural Resources to enter upon the permittee's premises; to have access to and copy any records required to be kept under the terms and conditions of this permit; and to make any inspection necessary to ascertain compliance.

F. Malfunction Prevention and Abatement Plans

Pursuant to sec. NR 439.09, Wis. Adm. Code, the owner or operator of any direct or portable source which may emit hazardous substances or emits more than 15 pounds in any day or 3 pounds in any hour of carbon monoxide, particulate matter, hydrocarbons, sulfur oxides, nitrogen dioxide or photochemical oxidants shall prepare a written malfunction prevention and abatement plan to prevent, detect and correct malfunctions or equipment failures which may cause any emission limitation to be violated or which may cause air pollution. Any such plan shall be carried out by the owner or operator. The plan shall be updated as needed and is subject to Department review, approval and amendment.

G. Emission Control Action Programs

Pursuant to sec. NR 493.04, Wis. Adm. Code, if the source(s) covered by this permit emits 0.25 tons per day or more of carbon monoxide, particulate matter, hydrocarbons, sulfur oxides, nitrogen dioxide or photochemical oxidants, the permittee shall prepare an emission control action program consistent with good industrial practice and safe operating procedures, for reducing the emission of air contaminants into the outdoor atmosphere during periods of an air pollution alert, air pollution warning or air pollution emergency. The emission control action program shall be in writing, available on the premises for inspection and subject to review and approval by the Department on request.

H. Permit Alteration, Revocation, Suspension

After notice and opportunity for a hearing, as provided in sec. 144.395, Wis. Stats., this permit may be altered, suspended, or revoked in whole or in part for cause. Circumstances which could result in alteration of the permit include but are not limited to the following:

1. A significant or recurring violation of any term or condition of this permit;
2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
3. A change in any applicable rule.

In addition to the circumstances in 1. and 2., failure to pay any required permit fees may result in revocation or suspension.

I. Civil Liability

Nothing in this permit shall be construed to relieve the permit holder from civil penalties under secs. 144.426, 144.96 or 144.99, Wis. Stats., for violation of the terms or conditions of this permit, or for violation of secs. 144.30 to 144.426, 144.76 and 144.96, Wis. Stats., or of any rule or any special order issued under those sections.

J. Other Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permit holder from any responsibilities, liabilities, or penalties established pursuant to any other applicable Federal, State, or local law or regulation. The issuance of this permit does not convey any property rights in either real or personal property, nor does it authorize any injury to private property or any invasion of personal rights.

K. Records Retention

All records and information resulting from any monitoring activities required by this permit shall be retained by the permittee for a minimum of three years pursuant to sec. NR 439.03, Wis. Adm. Code, unless specified in writing by the Department.

L. Reporting

Reports required by Part I of this permit, if any, shall be signed by an authorized representative of the source.

M. Confidential Information

Except for information determined to be confidential under sec. 144.33, Wis. Stats., any information or reports received by the Department in the permit application process, or subsequently obtained, will be available for public inspection at the offices of the Department of Natural Resources.

N. Notification of Transfer

In the event of a transfer of control of operation or ownership of the source, the permittee, prior to such transfer, shall notify its successor by letter of the need for a permit. A copy of this letter shall be forwarded to the Department.

O. Nonexempt Modifications

"Modification" means any change in the physical size or method of operation of a stationary source which:

- (1) increases the potential amount of emissions of an air contaminant;

(2) results in the emission of an air contaminant not previously emitted;
or

(3) results in the violation of an ambient air increment.

Any modification of a source subject to this permit, which is in violation of a term or condition of this permit, is prohibited and may not occur unless a modification of the permit is obtained. If the modification is not in violation of a term or condition of this permit and the modification is an exempt modification under sec. 144.391(4), Stats., or sec. NR 406.04, Wis. Adm. Code, or is authorized by a permit, no additional permit is required for the modification. All other modifications require a permit prior to commencing the modification.

P. Reconstruction or Replacement

Unless the replacement is authorized by a permit or is exempt under sec. NR 406.04, Wis. Adm. Code, replacement of the source(s) covered by this permit is prohibited. If the source(s) covered by this permit is a nonattainment major source or is subject to New Source Performance Standards, reconstruction may also be prohibited unless authorized by a permit.

Q. Circumvention

Pursuant to sec. NR 439.08, Wis. Adm. Code, the installation or use of any article, machine, equipment, process, or method, which conceals an emission which would otherwise constitute a violation of an applicable rule is prohibited unless written approval has been obtained from the Department. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance and the unnecessary separation of an operation into parts to avoid coverage by a rule that applies only to operations larger than a specified size.

R. Operating Permit Review

Operating permits shall be reviewed at least once every 5 years and not more than once every 2 years, in accordance with sec. 144.397, Wis. Stats. The Department may use information received in public comments or at the public hearing as the basis to initiate proceedings under sec. 144.395, Wis. Stats., to alter, suspend, or revoke the permit.

S. Forfeitures

In addition to other penalties or remedies, sec. 144.426, Wis. Stats., provides that any person who violates this permit shall forfeit not less than \$10 nor more than \$25,000 for each violation. Each day of continued violation is a separate offense.

T. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

U. Payment of Application Fee

Sources which are required under chapter NR 410, Wis. Adm. Code and sec. 144.399, Wis. Stats. to pay an application fee shall pay the fee within 30 days of the date of the billing statement. The Department may not issue the release for permanent operation of the source until the Department receives full payment of the application fee.

V. Annual Permit Fee

Pursuant to sec. NR 410.05, Wis. Adm. Code, any person who owns or operates an air contaminant source for which an air pollution control permit has been issued shall pay an annual fee for the implementation and enforcement of the permit conditions.