

**AIR EMISSION PERMIT NO. 12300053- 001**

**IS ISSUED TO**

**METROPOLITAN COUNCIL**

**METROPOLITAN WASTEWATER TREATMENT PLANT**

2400 Childs Road

St. Paul, Ramsey County, Minnesota 55106

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application(s):

Permit Type	Application Date
Total Facility Operating Permit	December 13, 1995

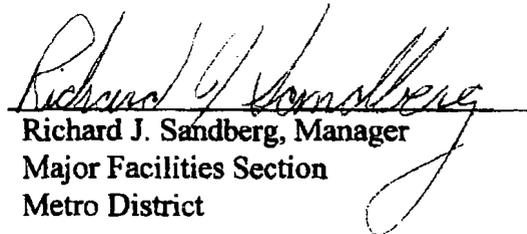
This permit authorizes the Permittee to operate the stationary source at the address listed above unless otherwise noted in Table A. The Permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

**Permit Type:** Federal; Part 70/Major for NSR

**Issue Date:** March 13, 2001

**Expiration:** March 13, 2006

All Title I Conditions do not expire.

  
Richard J. Sandberg, Manager  
Major Facilities Section  
Metro District

for Karen A. Studders, Commissioner  
Minnesota Pollution Control Agency



**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

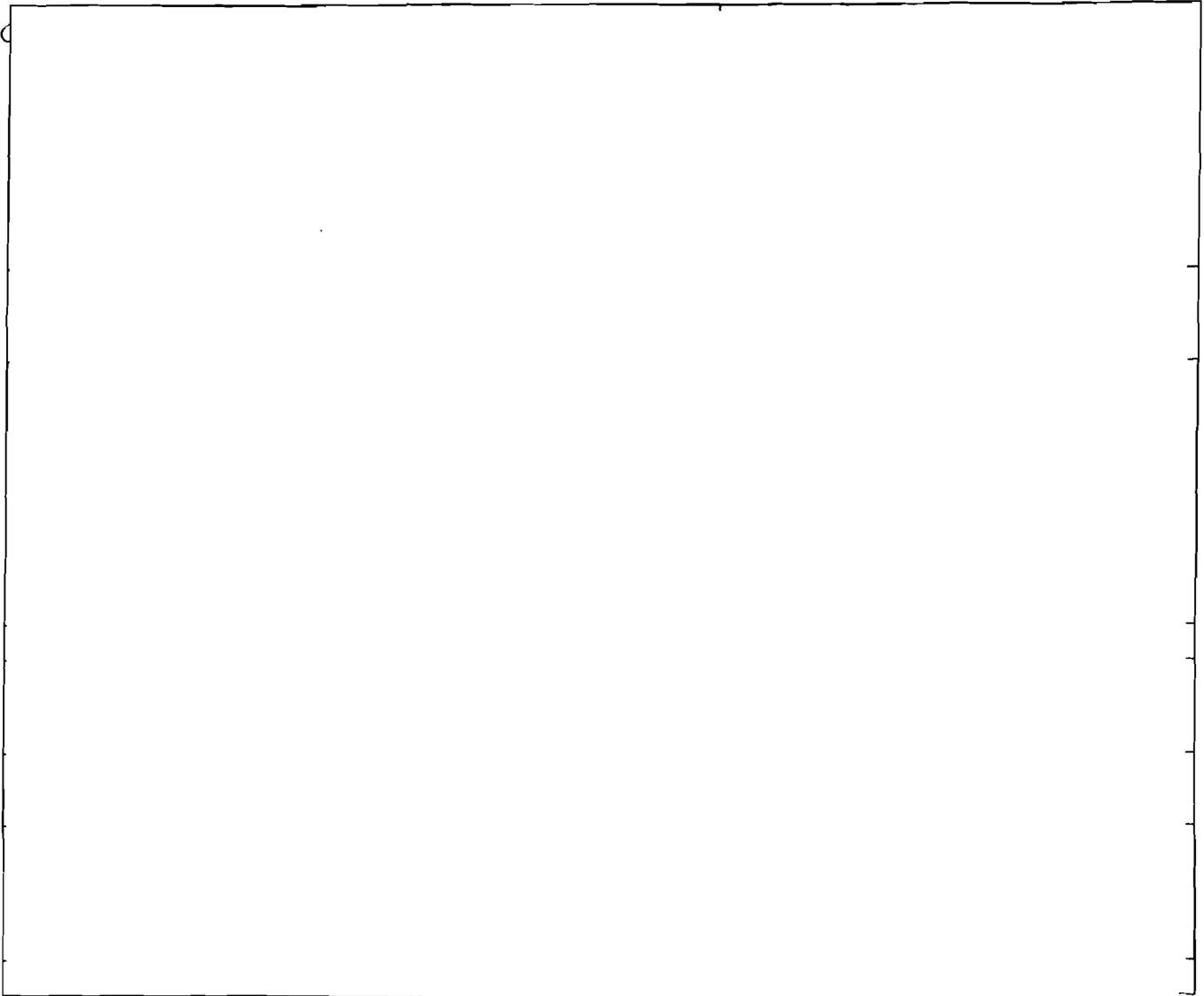
RECORDKEEPING	hdr
State Implementation Plan Recordkeeping: Retain all records at the stationary source for a period of five (5) years from the date of the required monitoring, sample, measurement, or report that corresponds with a "Title I Condition: State Implementation Plan for PM10" requirement.	Title I Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp.Y
REPORTING	hdr
Submittal: due 30 days after end of each calendar half-year following Permit Issuance. The Deviations from Requirements Cited as "Title I Condition: State Implementation Plan for PM10" shall be reported with the Semiannual Deviations Report required by this permit. If there were no deviations from any requirements cited as "Title I Condition: State Implementation Plan for PM10", the Permittee shall indicate such in the semiannual deviations report.	Title I Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp.Y

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001



**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

**Subject Item:** GP 001 Sludge Incinerators

- Associated Items:**
- CE 009 Direct Flame Afterburner
  - CE 010 Spray Tower
  - CE 011 Direct Flame Afterburner
  - CE 012 Spray Tower
  - CE 013 Direct Flame Afterburner
  - CE 014 Spray Tower
  - CE 015 Indirect Flame Afterburner
  - CE 016 Spray Tower
  - CE 017 Direct Flame Afterburner
  - CE 018 Spray Tower
  - CE 019 Direct Flame Afterburner
  - CE 020 Spray Tower
  - EU 008 Multiple Hearth Sludge Incinerator #5
  - EU 009 Multiple Hearth Sludge Incinerator #6
  - EU 010 Multiple Hearth Sludge Incinerator #7
  - EU 011 Multiple Hearth Sludge Incinerator #8
  - EU 012 Multiple Hearth Sludge Incinerator #9
  - EU 013 Multiple Hearth Sludge Incinerator #10
  - SV 008
  - SV 009
  - SV 010
  - SV 011
  - SV 012
  - SV 013
  - SV 014
  - SV 015
  - SV 016
  - SV 017

What to do	Why to do it
<p>EMISSION LIMITS</p>	<p>hdr</p>

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

Particulate Matter < 10 micron: less than or equal to 1.20 lbs/ton dry sludge charged for EU008.	Title I Condition: State Implementation Plan for PM10; 40 CFR 52.1230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800, subp. 2
Particulate Matter < 10 micron: less than or equal to 1.20 lbs/ton dry sludge charged for EU009.	Title I Condition: State Implementation Plan for PM10; 40 CFR 521230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800, subp. 2
Particulate Matter < 10 micron: less than or equal to 1.20 lbs/ton dry sludge charged for EU010.	Title I Condition: State Implementation Plan for PM10; 40 CFR 521230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800, subp. 2
Particulate Matter < 10 micron: less than or equal to 1.20 lbs/ton dry sludge charged for EU011.	Title I Condition: State Implementation Plan for PM10; 40 CFR 521230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800, subp. 2
Particulate Matter < 10 micron: less than or equal to 1.20 lbs/ton dry sludge charged for EU012.	Title I Condition: State Implementation Plan for PM10; 40 CFR 521230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800, subp. 2
Particulate Matter < 10 micron: less than or equal to 1.20 lbs/ton dry sludge charged for EU013.	Title I Condition: State Implementation Plan for PM10; 40 CFR 521230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800, subp. 2





**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

<p>Performance Test: due by the end of each calendar year following Permit Issuance to measure PM, PM10, and Opacity emissions on any two incinerators, EU008-013, as selected by the Permittee and specified in the test plan and approved by the MPCA.</p>	<p>Title 1 Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp. Y; Minn. R. 7017.2020, subp. 1</p>

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

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**RECORDKEEPING**

hdr

**Recordkeeping:** The Permittee shall record in the operating log the time of emergency relief stack damper opening and closing when sludge is being incinerated.

**Title I Condition:** State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800 subp. 4(B) and 5(C).

**Recordkeeping:** The Permittee shall record the average sludge feed rate during all periods of incinerator operation for each incinerator, in wet tons per hour.

**Title I Condition:** State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp. Y; Minn. R. 7007.0800 subp. 4(B) and 5(C).

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

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**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

**Subject Item:** GP 002 Auxiliary Boilers

**Associated Items:** EU 014 Auxiliary Boiler #1

EU 015 Auxiliary Boiler #2

What to do	Why to do it
Particulate Matter < 10 micron: less than or equal to 0.10 lbs/million Btu heat input ; Limit applies to each unit individually.	Title I Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp.Y

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

**Subject Item:** GP 003 Generators

**Associated Items:** EU 020 Emergency Generator 1

EU 021 Emergency Generator 2

EU 022 Emergency Generator 3

EU 023 Emergency Generator 4

EU 024 Emergency Generator 5

EU 025 Emergency Generator 6

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**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

**Subject Item:** GP 004 Ash Handling Systems

**Associated Items:** EU 016 Ash Handling System #1

EU 017 Ash Handling System #2

EU 018 Ash Handling System #3

EU 019 Local Exhaust Control Ash Loadout

What to do	Why to do it
Particulate Matter < 10 micron: less than or equal to 0.05 grains/dry standard cubic foot	Title I Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp. Y

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

Subject Item: EU 026 Paint Booth

Associated Items: CE 025 Mat or Panel Filter

SV 031

What to do	Why to do it
HAPs - Total: less than or equal to 1.0 tons/year	Title I Condition: Limit to avoid classification as a major source under 40 CFR 63.2

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

**Subject Item:** EU 033 Incineration Housekeeping Vacuum

**Associated Items:** CE 026 Fabric Filter - Low Temperature, i.e., T<180 Degrees F  
SV 032

What to do	Why to do it
Particulate Matter < 10 micron: less than or equal to 0.05 grains/dry standard cubic foot	Title I Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp.Y

**TABLE A: LIMITS AND OTHER REQUIREMENTS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

**Subject Item:** EU 034 Ash Loadout Housekeeping Vacuum

**Associated Items:** CE 027 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

SV 033

SV 034

SV 035

SV 036

SV 037

SV 038

What to do	Why to do it
Particulate Matter < 10 micron: less than or equal to 0.05 grains/dry standard cubic foot	Title I Condition: State Implementation Plan for PM10; 40 CFR section 52.1230; 40 CFR pt. 52, subp.Y

**TABLE B: SUBMITTALS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant  
Permit Number: 12300053 - 001

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send any application for a permit or permit amendment to:

Permit Technical Advisor  
Permit Section  
Air Quality Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Technical Advisor notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Unless another person is identified in the applicable Table, send all other submittals to:

Supervisor  
Compliance Determination Unit  
Air Quality Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak  
Air and Radiation Branch  
EPA Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency  
Acid Rain Division  
401 M Street, SW., (6204J)  
Washington, D.C. 20460

**TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before expiration of Existing Permit	Total Facility
Fugitive Control Plan	due 60 days after Permit Issuance. The plan shall identify all fugitive emission sources, primary and contingent control measures, and record keeping. The Permittee shall follow the actions and record keeping specified in the control plan. The plan may be amended by the Permittee with the Commissioner's approval. The permittee may be required to amend the control plan and/or install and operate particulate matter ambient air monitors if the Commissioner determines that the operation of the stationary source, together with other sources of particulate matter, creates conditions under which the Minnesota ambient air standard for particulate matter might be exceeded.	Total Facility
Notification	due 1 days after Discovery of Deviation (Oral Notification of Deviations Endangering Human Health or the Environment): Within 24 hours of discovery, orally notify the Commissioner of any deviation from permit conditions which could endanger human health or the environment.	Total Facility
Notification	due 2 days after Discovery of Deviation (Notification of Deviations Endangering Human Health or the Environment Report). Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: <ol style="list-style-type: none"> <li>1. the cause of the deviation;</li> <li>2. the exact dates of the period of the deviation, if the deviation has been corrected;</li> <li>3. whether or not the deviation has been corrected;</li> <li>4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and</li> <li>5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.</li> </ol>	Total Facility

**TABLE B: RECURRENT SUBMITTALS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

What to send	When to send	Portion of Facility Affected
Excess Emissions/Downtime Reports (EER's)	due 30 days after end of each calendar quarter following Permit Issuance The EER shall indicate all periods of emission limit exceedences, including any exceedences due to startup, shutdown, or malfunctions. An EER shall be submitted for each COMS. The EER shall also indicate all periods of monitor bypasses and emergency relief stack useage.	GP001
COMS Calibration Error Audit Results Summary	due 30 days after end of each calendar half-year following Permit Issuance	GP001
Report	due 30 days after end of each calendar half-year following Permit Issuance (The report shall contain the monthly mercury sample analysis of the mixed sludge charged to the incinerators and the quarterly plant influent sample analysis). This is a state-only requirement and is not enforceable by the EPA Administrator, nor subject to the citizen suit provisions of section 304 of the Clean Air Act, 42 U.S.C. section 7604.	GP001
Report	due 30 days after end of each calendar half-year following Permit Issuance (The report shall contain the results of monthly mercury sampling of the mixed sludge charged to the incinerators)	GP001
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance . The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31.	Total Facility
Submittal	due 30 days after end of each calendar half-year following Permit Issuance. The Deviations from Requirements Cited as "Title I Condition: State Implementation Plan for PM10" shall be reported with the Semiannual Deviations Report required by this permit. If there were no deviations from any requirements cited as "Title I Condition: State Implementation Plan for PM10", the Permittee shall indicate such in the Semiannual Deviations Report.	Total Facility
Submittal	due 30 days after end of each calendar half-year starting 01/01/2001 the Permittee shall submit a Semiannual Deviation Report which contains a record of the average oxygen content in the incinerator exhaust gas for each period of 1-hour duration or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3 percent.	GP001
Submittal	due 30 days after end of each calendar half-year starting 01/01/2001 the Permittee shall submit a Semiannual Deviations Report to the MPCA containing a record of the average scrubber pressure drop measurements of each period of 15 minute duration or more during which the pressure drop of the scrubber was less than a value that is 30% below the average scrubber pressure drop measured during the most recent performance test.	GP001

**TABLE B: RECURRENT SUBMITTALS**

03/13/01

Facility Name: Metropolitan Wastewater Treatment Plant

Permit Number: 12300053 - 001

Submittal	due 30 days after end of each calendar half-year starting 01/01/2001 the Permittee shall submit a Semiannual Deviations Report to the MPCA of the record of the items listed in 40 CFR Section 60.155(b)(1)-(6) for each calendar day that a decrease in scrubber pressure drop or increase in oxygen content of exhaust gas is reported if the average particulate matter emission rate measured during the performance test required under Section 60.154(d) exceeds 0.38 g/kg of dry sludge input (0.75 lb/ton of dry sludge input).	GP001
Compliance Certification	due 31 days after end of each calendar year following Permit Issuance (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner, and to the U.S. EPA Regional Office in Chicago. The report covers all deviations experienced during the calendar year.	Total Facility