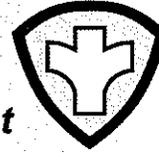




## AIR POLLUTION CONTROL



**Shelby County Health Department**

### CONSTRUCTION PERMIT

**Public Health**  
Prevent. Promote. Protect.

**COMPANY NAME:** City of Memphis, M.C. Stiles Wastewater Treatment Plant

**COMPANY ADDRESS:** 2303 N. Second Street  
Memphis, Tennessee 38127

**ISSUANCE DATE:** 09-12-2011      **PERMIT NUMBER:** 00702-02PC

**EXPIRATION DATE:** 03-12-2013

#### SOURCE DESCRIPTION

**One (1) 2000 KW Cummins (Biogas) Generator**

**EMISSION POINT:** 1 STACK

**EMISSION CONTROL EQUIPMENT:** NONE

The holder of this permit shall comply with all conditions contained in this permit as well as all applicable provisions of the City of Memphis Code. A permit condition may be appealed by filing a petition for reconsideration within thirty - (30) days after the mailing date of the permit.

This permit may be subject to revocation, suspension, modification or amendment by the Technical Secretary for cause including evidence of non-compliance with any of the above; or for any misrepresentation made in the application received April 07, 2011, April 18, 2011, May 02, 2011 and supporting data entered therein or attached thereto, or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 7 pages.

Robert Rogers, P. E.

Technical Manager Pollution Control Section

**Issuance of this permit shall not relieve any owner or operator of the responsibility to comply fully with any other requirements of local, State, or Federal law.**

**NON TRANSFERABLE**

**POST OR FILE AT INSTALLATION ADDRESS**

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**Permit Conditions:**

1. This construction permit authorizes the installation and initial operation of a cogeneration unit/facility. This emission unit will be located on 2303 N. Second Street Memphis, Tennessee 38127. The cogeneration unit /facility(Internal Combustion Engine) will be connected to existing biogas collection system to provide heat and power. Biogas generated from two covered anaerobic wastewater collection lagoons will be used as fuel.
2. The cogeneration unit/facility will be a Cummins Power Generator Model QSV1G with a capacity of 2000 KW.
3. The cogeneration Unit/Facility Emission Limits are:

POLLUTANT	ALLOWABLE EMISSIONS*
	TONS PER ROLLING TWELVE MONTH PERIOD
TSP	8.67
SO <sub>2</sub>	0.81
NO <sub>x</sub>	13.63
CO	59.98
VOC	8.73

CO- Carbon Monoxide, NO<sub>x</sub> – Nitrogen Oxides, SO<sub>2</sub>-Sulfur Dioxide, TSP-Total Suspended Particulate, and VOC-Volatile Organic Compounds

**\* Allowable emissions are based on the data provided by the source**

4. Visible emissions from this facility shall not exceed twenty percent (20%) opacity (6-minute average).
5. The facility is subject to the requirements of 40 CFR Part 63, Subpart ZZZZ, "National Emissions Standards for hazardous Air Pollutants for Reciprocating Internal Combustion Engines".
6. The facility is subject to the requirements for Generators that are applicable under the New Source performance Standard, 40 CFR Part 60, Subpart JJJJ, "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines".
7. Owners and operators of engines that have never been certified by the manufacturer that are greater than 500 HP, you must conduct an initial performance test within 1 year of engine startups and conduct subsequent performance test every 8760 hours or 3 years, whichever comes first.
8. Owners and operators of all engines (certified or non certified) are required to maintain records of proper maintenance and non-certified engines must keep a maintenance plan.
9. A monthly record of operating hours for the generator shall be kept for a period of three (3) years from the time of making of such records and shall be made available to this Department upon request.

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10. A semi-annual report is required. The first report is due 6 months after initial operation of the cogeneration unit. Thereafter, it will be due in July of each year for months of January through June and in January for July through December calendar year. This report shall contain at a minimum the following:

- a. Rating: kW for the Generator
- b. Amount of biogas used
- c. Hours of operation for the generator
- d. Summary of emissions for each pollutant in tons/year

**Note: The data reported is to be based on monthly recordkeeping and reported on a twelve-month rolling period of time.**

11. Construction permit general conditions are attached in Appendix A.

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**APPENDIX A**  
**Construction Permit General Conditions**

**SECTION I: OPERATIONAL REQUIREMENTS**

1. The owner/operator shall control dust, fumes, gases, mist, vapors, or any combination thereof in such a manner as to not cause a nuisance in accordance with City of Memphis Code Section 16-88(a).
2. The owner/operator shall not cause, suffer, allow, or permit any air contaminant source to be operated without employing suitable measures for the control of the emission of objectionable odors in accordance with City of Memphis Code Section 16-88(b).
3. The owner/operator shall not discharge from any source whatsoever such quantities of air contaminant, uncombined water, or other materials which cause a traffic hazard, in accordance with City of Memphis Code Section 16-77 [Reference Rules and Regulations of Tennessee, Rule 1200-3-9-.03(3)].
4. The owner/operator shall not cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne, in accordance with City of Memphis Code Section 16-89.
5. The open burning of residential, commercial, institutional, or industrial solid waste is prohibited except as specified in this permit or in City of Memphis Code Section 16-50.
6. Air contaminant sources must take all reasonable measures to keep emissions to a minimum during startups, shutdowns, and malfunctions in accordance with City of Memphis Code Section 16-87 [Reference Rules and Regulations of Tennessee, Rule 1200-3-20-.02]. These measures may include installation and use of alternate control systems, changes in operating methods or procedures, cessation of operation until the process equipment and/or air pollution control equipment is repaired, maintaining sufficient spare parts, use of overtime labor, use of outside consultants and contractors, and other appropriate means. Failures that are caused by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions, and shall be considered in violation of the emission standard exceeded and this rule.

**SECTION II: TESTING REQUIREMENTS**

7. The owner/operator may be required to conduct or have conducted such tests as are necessary to establish the quantity or identity of air contaminants emitted from an air contaminant source. Such tests shall be conducted in a manner approved in advance by the Technical Manager, in accordance with City of Memphis Code Section 16-85.

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8. Whenever the Technical Manager has reason to believe that the emission limits of the regulations set forth herein are being violated, the Technical Manager may require the owner/operator to conduct or have conducted at the owner's or operator's expense, tests to determine the emission level of specific air contaminants, in accordance with City of Memphis Code Section 16-85.
9. The owner/operator may be required to retest at the request of the Technical Manager if the maximum production rate that occurred during compliance testing is exceeded by 10 percent or more, in accordance with City of Memphis Code Section 16-86.
10. The owner/operator of an air contaminant source to be tested shall provide the Technical Manager at least 30 days prior written notice of any performance test and the test protocol form, except as otherwise specified in a promulgated test method, to afford the Technical Manager the opportunity to have an observer present and to approve the test protocol, in accordance with City of Memphis Code Section 16-85.
11. Performance tests shall be conducted under representative performance conditions of the tested air contaminant source(s) for which compliance is to be demonstrated by the test. Samples shall be taken in such number, duration and location as to be statistically significant and representative of performance conditions for which compliance is to be demonstrated by the test, in accordance with City of Memphis Code Section 16-86. Unless otherwise specified in the test method, each performance test shall be corrected to standard conditions, defined as a temperature of 293 K (68° F) and a pressure of 101.3 kilopascals (29.92 in Hg).
12. The results of performance testing shall be submitted to the Department within 60 days after completion of the required performance testing.

### **SECTION III: MONITORING and RECORDKEEPING REQUIREMENTS**

13. A log of all malfunctions, startups, and shutdowns resulting in emissions in excess of the standards in the City of Memphis Code or any permit issued thereto must be kept at the facility in accordance with City of Memphis Code Section 16-87 [Reference Rules and Regulations of Tennessee, Rule 1200-3-20-.04]. This log must record at least the following:
  - a) Stack or emission point involved;
  - b) Time of malfunction, startup, or shutdown or when first noticed;
  - c) Type of malfunction and/or reason for shutdown;
  - d) Time startup or shutdown was complete or time the air contaminant source returned to normal operation; and
  - e) The company employee making entry on the log must sign, date and state the time of each log entry. The information under items (a) and (b) above must be

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entered into the log by the end of the shift during which the malfunction, startup, or shutdown began.

All information shall be entered in the log no later than twenty-four (24) hours after the startup or shutdown is complete, or the malfunction has ceased or has been corrected. Any later discovered corrections can be added in the log as footnotes with the reason given for the change.

**V. SECTION IV: REPORTING and NOTIFICATION REQUIREMENTS**

14. The owner/operator shall submit an annual emissions report to the Department in accordance with City of Memphis Code Section 16-98. This report shall be submitted no later than February 28<sup>th</sup> of each calendar year and shall include emissions that occurred during the previous calendar year.
15. When any air contaminant source malfunctions in such a manner as to cause the emission of air contaminants in excess of the applicable emission standards contained in Division 1200-3 or any permit issued thereto, or of sufficient duration to cause damage to property or public health, the owner or operator of the air contaminant source shall promptly notify the Technical Manager of such malfunction and provide a statement giving all pertinent facts, including the estimated duration of the malfunction, in accordance with City of Memphis Code Section 16-87 [Reference Rules and Regulations of Tennessee, Rule 1200-3-20-.03].

Violations of the visible emission standard (excluding visible emissions caused by hazardous air pollutants named in Chapter 1200-3-11), which occur for less than 20 minutes in one day (midnight to midnight) need not be reported. Prompt notification will be within 24 hours of the malfunction and shall be provided by telephone to the Shelby County Health Department, Pollution Control Section.

16. The Technical Manager shall be notified when the malfunction has been corrected, in accordance with City of Memphis Code Section 16-87 [Reference Rules and Regulations of Tennessee, Rule 1200-3-20-.03]. In attainment and unclassified areas if emissions other than from sources designated as significantly impacting on a nonattainment area in excess of the standards will not and do not occur over more than a 24-hour period (or will not recur over more than a 24-hour period) and no damage to property and or public health is anticipated, notification is not required. Any malfunction that creates an imminent hazard to health must be reported by telephone immediately to the Shelby County Health Department, Pollution Control Section and the Emergency Management Agency.

**SECTION V: OPERATING PERMIT APPLICATION REQUIREMENTS**

17. Application for an operating permit shall be made on forms available from the Technical Manager and signed by the applicant in accordance with City of Memphis Code Section 16-77 [Reference Rules and Regulations of Tennessee, Rule 1200-3-9-.02(1 and 3)]. Such an application for an operating permit shall be filed with the Technical Manager:

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- a) Not more than thirty (30) days after initial startup of an air contaminant source constructed or modified in accordance with a construction permit issued by the Technical Manager.
- b) If stack sampling or other test data has been required as a condition on the construction permit, this time period is extended to the time specified on the construction permit for submittal of the test report(s). In no case shall this period exceed the period allowed in the applicable regulation.

**SECTION VI: MISCELLANEOUS GENERAL REQUIREMENTS**

18. This permit is not transferable from one person to another person, nor from one air contaminant source to another air contaminant source, nor from one location to another location pursuant to City of Memphis Code Section 16-77 [Reference Rules and Regulations of Tennessee, Rule 1200-3-9-.03(6)].
19. The owner/operator shall pay fees in accordance with City of Memphis Code Sections 16-93 through 16-96.
20. The owner/operator shall maintain this construction permit readily available for inspection by the Technical Manager or his/her designated representative on the operating premises.
21. The Shelby County Health Department in conjunction with the Memphis and Shelby County Air Pollution Control Board shall have authority, at their option, to institute and litigate proceedings for violations as set out therein, in accordance with City of Memphis Code Section 16-57. Any person who knowingly:
  - a) Violates or fails to comply with any provision of the City of Memphis Code, any board or administrative order or any permit condition;
  - b) Makes any false material statement, representation, or certification in any record, report, plan or other document required by permit to be either filed or maintained;
  - c) Falsifies, tampers with, renders inaccurate or fails to install any monitoring device or method required to be maintained or followed;
  - d) Fails to pay fee

commits a Class C misdemeanor pursuant to the Tennessee Code Annotated with the fine not to exceed ten thousand dollars (\$10,000) per day per violation. For the purpose of this section, each day of continued violation constitutes a separate offense and is punishable as such.

22. The owner/operator of any air contaminant source shall be responsible for complying with emission regulations as contained in other chapters of these regulations at the earliest practicable time and for this purpose the Board shall have the authority and responsibility to require compliance with these regulations at an earlier date than

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indicated where such earlier compliance may reasonably be accomplished, in accordance with City of Memphis Code Section 16-77 [Reference Rules and Regulations of Tennessee, Rule 1200-3-9-.03(1)].

23. The owner/operator shall not use any plan, activity, device or contrivance which the Technical Manager determines will, without resulting in an actual reduction of air contaminants, conceal or appear to minimize the effects of an emission which would otherwise constitute a violation of these Regulations, in accordance with City of Memphis Code Section 16-77 [Reference Rules and Regulations of Tennessee, Rule 1200-3-9-.03(2)]. Methods considered circumvention of the regulations include but are not limited to the following:
  - a) Air (or other gases) introduced for dilution purposes only;
  - b) The staggered installation and operation of a facility to avoid coverage by a standard that applies only to operations larger than a specified size.
24. The Technical Manager may suspend or revoke any construction or operating permit if the permit holder fails to comply with the provisions, stipulations, or compliance schedules specified in the permit; all provisions of these regulations; and all provisions of the Tennessee Air Quality Act, in accordance with City of Memphis Code Section 16-77 [Reference Rules and Regulations of Tennessee, Rule 1200-3-9-.03(7)]. Upon permit suspension or revocation, if the permit holder fails to take remedial action, he shall become immediately subject to enforcement actions prescribed by law.
25. Failure to comply with any of the provisions of the City of Memphis Code shall constitute a violation thereof and shall subject the person or persons responsible therefore to any and all of the penalties provided by law, in accordance with City of Memphis Code Section 16-57.
26. For the purpose of carrying out the requirements of the City of Memphis Code, the Technical Manager or his/her authorized representatives, including engineers, assistants, environmentalists and other employees, shall be permitted at all reasonable times to enter into any manufacturing plants, business buildings or other buildings, and all lots, grounds and premises, in order to thoroughly examine any items in relation to public health and air pollution thereon and therein, in accordance with City of Memphis Code Section 16-61.
27. Any request to extend the expiration date of this construction permit must be made in writing by the owner/operator prior to the expiration date of the permit. A request for an extension will not be granted if it is received by the Department after the expiration date of the permit.

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# City of Memphis

TENNESSEE



DR. WILLIE W. HERENTON - Mayor  
KEITH L. McGEE - Chief Administrative Officer  
**DIVISION OF PUBLIC WORKS**  
DWAN GILLIOM - Director  
**Maynard C. Stiles Wastewater Treatment Plant**

Via Certified Mail #7008 1140 0001 6635 0990

September 4, 2009

Billy C. Smith.  
Major Source Supervisor  
Major Source Branch, Pollution Control Section  
Memphis and Shelby County Health Department  
814 Jefferson Avenue, Room 438K  
Memphis, TN 38105

**Re: Submittal of new application forms for the Biogas Collection System  
Operating Permit 00702-01P  
City of Memphis, M.C. Stiles Wastewater Treatment Plant  
2303 N. Second Street  
Memphis, TN**

Dear Mr. Smith:

Enclosed is the application form and additional requested information regarding the above-referenced facility.

Please contact me at (901) 576-7122 if you have any questions or need additional information.

Sincerely

A handwritten signature in black ink that reads "Don Hudgins".

Don Hudgins, P.E.  
Administrator, Wastewater Treatment Facilities

c: File  
N:\Public Works\Environmental\Treatment Plants\Stiles Plant\Stiles Air Permit 09042009.doc

MEMPHIS SHELBY COUNTY HEALTH DEPARTMENT  
AIR POLLUTION CONTROL SECTION (MSCHD-APC)



814 Jefferson Ave  
Memphis, TN 38105  
Telephone: (901) 544-7775  
FAX: (901) 544-7310

NOT TO BE USED FOR TITLE V APPLICATIONS

**PERMIT APPLICATION  
GENERAL INFORMATION**

MSCHD RECEIPT DATE

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH EMISSION SOURCE. ATTACH APPROPRIATE SOURCE DESCRIPTION FORMS.

1. ORGANIZATION'S LEGAL NAME: City of Memphis – M. C. Stiles Wastewater Treatment Plant		MSCHD-APC FACILITY ID.:	
2. MAILING ADDRESS (ST/RD/P.O. BOX): 2303 North Second Street		TENNESSEE SECRETARY OF STATE REGISTERED BUSINESS NUMBER:	
CITY: Memphis	STATE: TN	ZIP CODE: 38127	PHONE WITH AREA CODE: (901) 576-4300
3. PRINCIPAL TECHNICAL CONTACT AND TITLE: Don Hudgins/Administrator		PHONE WITH AREA CODE: (901) 576-7122	
4. SITE ADDRESS (ST/RD/HWY): 2303 North Street Street		PHONE: (901) 576-4300	FAX: (901) 357-4607
CITY OR DISTANCE/DIRECTION TO NEAREST REFERENCE POINT: Memphis		ZIP CODE: 38127	E-MAIL: Donald.hudgins@memphistn.gov
5. STANDARD INDUSTRIAL CLASSIFICATION CODE(S) (SIC)	PRIMARY <u>4952</u> SECONDARY _____	TERTIARY _____ QUATERNARY _____	
6. BRIEF DESCRIPTION OF EMISSION SOURCE(S). INCLUDE AN OVERALL FACILITY PLOT PLAN INDICATING THE EMISSION SOURCE LOCATION WITHIN THE PLANT: Biogas Flare. See Attached for Additional Requested Information per letter dated July 31, 2009 from Billy Smith.			
7. TYPE OF PERMIT REQUESTED			
<input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> MODIFICATION <input type="checkbox"/> PERMIT TO OPERATE (INITIAL REQUEST-NO PREVIOUS PERMITS) <input type="checkbox"/> PERMIT TO OPERATE (INITIAL REQUEST-CONSTRUCTION PERMIT PREVIOUSLY ISSUED) <input checked="" type="checkbox"/> PERMIT TO OPERATE (RENEWAL REQUEST) <input type="checkbox"/> CHANGE OF LOCATION (PORTABLE SOURCES) <input type="checkbox"/> CHANGE OF NAME AND/OR OWNERSHIP		ESTIMATED COST OF EQUIPMENT OR MODIFICATION: \$ _____ AIR POLLUTION CONTROL EQUIPMENT COST: \$ _____ BASIC EQUIPMENT COSTS: \$ _____	
FOR NEW CONSTRUCTION, MODIFICATION, CHANGE OF LOCATION, CHANGE OF NAME AND/OR OWNERSHIP, PROVIDE THE ESTIMATED STARTING AND COMPLETION DATES: NA			
PREVIOUS LOCATION OR LOCATION MOVING FROM, PREVIOUS NAME AND/OR OWNER, IF APPLICABLE (FOR PORTABLE <b>AND</b> NON-PORTABLE SOURCES): NA			
PREVIOUS SOURCE NUMBER(S) AND PERMIT NUMBER(S) IF APPLICABLE: 0702-01P			
8. DESCRIBE CHANGES THAT HAVE BEEN MADE TO THIS EQUIPMENT OR OPERATION SINCE THE LAST CONSTRUCTION OR OPERATING PERMIT APPLICATION: See Attached Additional Requested Information.			
9. SIGNATURE (SEE NOTE): 		DATE: September 4, 2009	
10. SIGNER'S NAME (TYPE OR PRINT): Dwan Gilliom		TITLE: Director of Public Works	PHONE WITH AREA CODE: (901) 576-6742

NOTE: APPLICATION MUST BE SIGNED TO BE PROCESSED. SIGNATURE VERIFIES THAT INFORMATION ON ALL FORMS PROVIDED IS TRUE, ACCURATE AND COMPLETE TO THE PERSON'S BEST KNOWLEDGE AND BELIEF. APPLICATIONS SHOULD BE SIGNED BY THE OWNER/OPERATOR OR SENIOR MANAGEMENT OFFICIAL

(OVER)

**TABLE OF POLLUTION REDUCTION DEVICE OR METHOD CODES  
(ALPHABETICAL LISTING)**

NOTE: FOR CYCLONES, SETTLING CHAMBERS, WET SCRUBBERS, AND ELECTROSTATIC PRECIPITATORS. THE EFFICIENCY RANGES CORRESPOND TO THE FOLLOWING PERCENTAGES: HIGH: 95-99%, MEDIUM: 80-95% AND LOW: LESS THAN 80%. IF THE SYSTEM HAS SEVERAL PIECES OF CONNECTED CONTROL EQUIPMENT, INDICATE THE SEQUENCE, FOR EXAMPLE: 008/010/97%. IF NONE OF THE BELOW CODES FIT, USE 999 AS A CODE FOR OTHER AND SPECIFY IN THE COMMENTS.

NO EQUIPMENT .....	000	LIMESTONE INJECTION--DRY .....	041
ACTIVATED CARBON ADSORPTION .....	048	LIMESTONE INJECTION--WET .....	042
AFTERBURNER--DIRECT FLAME .....	021	LIQUID FILTRATION SYSTEM .....	049
AFTERBURNER--DIRECT FLAME WITH HEAT EXCHANGER.....	022	MIST ELIMINATOR--HIGH VELOCITY .....	014
AFTERBURNER--CATALYTIC .....	019	MIST ELIMINATOR--LOW VELOCITY .....	015
AFTERBURNER--CATALYTIC WITH HEAT EXCHANGER.....	020	PROCESS CHANGE .....	046
ALKALIZED ALUMINA .....	040	PROCESS ENCLOSED .....	054
CATALYTIC OXIDATION--FLUE GAS DESULFURIZATION .....	039	PROCESS GAS RECOVERY .....	060
CYCLONE--HIGH EFFICIENCY .....	007	SETTLING CHAMBER--HIGH EFFICIENCY .....	004
CYCLONE--MEDIUM EFFICIENCY.....	008	SETTLING CHAMBER--MEDIUM EFFICIENCY .....	005
CYCLONE--LOW EFFICIENCY.....	009	SETTLING CHAMBER--LOW EFFICIENCY .....	006
DUST SUPPRESSION BY CHEMICAL STABILIZERS OR WETTING AGENTS .....	062	SPRAY TOWER (GASEOUS CONTROL ONLY) .....	052
ELECTROSTATIC PRECIPITATOR--HIGH EFFICIENCY .....	010	SULFURIC ACID PLANT--CONTACT PROCESS .....	043
ELECTROSTATIC PRECIPITATOR--MEDIUM EFFICIENCY .....	011	SULFURIC ACID PLANT--DOUBLE CONTACT PROCESS .....	044
ELECTROSTATIC PRECIPITATOR--LOW EFFICIENCY.....	012	SULFUR PLANT .....	045
FABRIC FILTER--HIGH TEMPERATURE .....	016	VAPOR RECOVERY SYSTEM (INCLUDING CONDENSERS, HOODING AND OTHER ENCLOSURES) .....	047
FABRIC FILTER--MEDIUM TEMPERATURE.....	017	VENTURI SCRUBBER (GASEOUS CONTROL ONLY) .....	053
FABRIC FILTER--LOW TEMPERATURE .....	018	WET SCRUBBER--HIGH EFFICIENCY .....	001
FABRIC FILTER--METAL SCREENS (COTTON GINS) .....	059	WET SCRUBBER--MEDIUM EFFICIENCY .....	002
FLARING.....	023	WET SCRUBBER--LOW EFFICIENCY .....	003
GAS ADSORPTION COLUMN--PACKED .....	050	WET SUPPRESSION BY WATER SPRAYS.....	061
GAS ADSORPTION COLUMN--TRAY TYPE .....	051		
GAS SCRUBBER (GENERAL: NOT CLASSIFIED) .....	013		

**TABLE OF EMISSION ESTIMATION METHOD CODES**

NOT APPLICABLE EMISSIONS ARE KNOWN TO BE ZERO .....	0
EMISSIONS BASED ON SOURCE TESTING.....	1
EMISSIONS BASED ON MATERIAL BALANCE USING ENGINEERING EXPERTISE AND KNOWLEDGE OF PROCESS .....	2
EMISSIONS CALCULATED USING EMISSION FACTORS FROM EPA PUBLICATION NO. AP-42 COMPILATION OF AIR POLLUTANT EMISSIONS FACTORS .....	3
JUDGEMENT .....	4
EMISSIONS CALCULATED USING A SPECIAL EMISSION FACTOR DIFFERING FROM THAT IN AP-42 .....	5
OTHER (SPECIFY IN COMMENTS) .....	6



## AIR POLLUTION CONTROL

*Memphis & Shelby County  
Health Department*



## OPERATING PERMIT

COMPANY NAME: M. C. STILES WASTE WATER TREATMENT PLANT (NORTH PLANT)

COMPANY ADDRESS: 2303 North Second Street Memphis, Tennessee

ISSUANCE DATE: 3/3/99 PERMIT NUMBER: 0702-01P

EXPIRATION DATE: 3/3/03

### SOURCE DESCRIPTION

Wastewater treatment plant sludge lagoon with gas collection system

Maximum Oven Capacity: 1.152 MM ft<sup>3</sup> per day

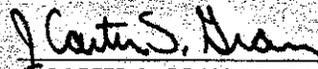
Emission Point: Flare stack

Control Equipment: Flare

The holder of this permit shall comply with all conditions contained in this permit as well as all applicable provisions of the Memphis and Shelby County Air Code. A permit condition may be appealed by filing a petition for reconsideration within thirty (30) days after the mailing date of the permit.

This permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of non-compliance with any of the above; or for any misrepresentation made in the application(s) received February 19, 1999 and supporting data entered therein or attached thereto, or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 04 pages, which 05 pages are a part of this permit.

  
CARTER S. GRAY, MANAGER  
POLLUTION CONTROL SECTION

No authority is granted by this permit to operate, construct, or maintain any installation in violation of any law, statute, code, ordinance, rule or regulation of Memphis and Shelby County, Tennessee.

NON TRANSFERABLE

POST OR FILE AT INSTALLATION ADDRESS

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