City of Detroit
Water and Sewerage Department
Industrial Waste Control Division

303 S. Livernois
Detroit, Michigan 48209-3070
Phone 313•297•5850
Fax 313•297•5860
www.detroitmi.gov

CERTIFIED MAIL

February 17, 2014

Mr. Mathew Campbell
Coordinator, Septage Waste Program
Michigan Dept. of Natural Resources and Environment
Constitutional Hall
525 West Allegan Street
P.O. Box 30273
Lansing, Michigan 48909-7773

RE: Septage Waste Receiving Facility Operating Plan Amendment for the City of Detroit POTW

Dear Mr. Campbell:

Effective July 2013 DWSD increased it's septage waste unloading charge from $31.00 to $44.00 for treating 500 gallon of septage waste. Accordingly Oakland County is charging $50.50 for receiving 500 gallon waste at their receiving sites by adding their local charges to the cost charged by the Detroit POTW.

This rate increase has been done based on actual cost of treating the septage waste and approved by the Detroit City Council within it's authority to establish the water/wastewater rates following public notification to recover the actual cost of treatment on an ongoing basis.

While basic operating conditions (e.g. available hydraulic capacity, available organic capacity etc.) of the already approved Detroit's Septage Waste Receiving Plan remaining the same the treatment cost of the sepatge waste requires to be reviewed and changed periodically based on actual cost. DWSD believes that such periodic change of rate does not constitute modification of the basic plan and does not require approval from Michigan Department of Natural Resources and Environment (MDNRE). However DWSD will notify MDNRE whenever there is any change in Septage waste receiving rate.

Should you have any question please call me at (313) 297-5802.

Sincerely

Thomas Eapen
Manager I
Industrial Waste Control Division

TE/yr

Cc: Stephen Kuplicki, DWSD
File

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JENNIFER M. GRANHOLM
GOVERNOR

STEVEN E. CHESTER
DIRECTOR

December 7, 2005

Stephen J. Kuplicki, Manager
Industrial Waste Control Division
City of Detroit Water and Sewerage Department
303 S. Livernois Avenue
Detroit, Michigan 48209

Dear Mr. Kuplicki:

SUBJECT: Operating Plan Approval
City of Detroit Septage Receiving Facilities

Review of the Detroit Water and Sewerage Department's Septage Receiving Operating Plan is complete. Questions regarding the plan were discussed with Mr. Jayakumar Pallegar of your staff. Mr. Pallegar's responses adequately addressed our concerns. The operating plan is, therefore, approved. The receiving facilities must operate in accordance with the approved plan. If a change in operations or conditions is anticipated, please file an amendment to the plan at least thirty days prior to the proposed date for implementation. Please note that this approval is conditioned such that the identified service areas restrict only the disposition of septic tank waste pumped within those areas. Land-application of septage pumped from outside the service areas may continue to be land applied to approved land-application sites within the identified boundaries.

If you have any questions regarding this matter, please contact me at the number below.

Sincerely,

Brett A. Wiseley

Brett A. Wiseley
On-site Wastewater Unit
Drinking Water and Environmental Health Section
Water Bureau
517-241-1452

BAW:DLR
cc: Mr. Richard Falardeau, Water Bureau, DEQ
Mr. Matthew Campbell, Water Bureau, DEQ
Ms. Jodi Peace, Southeast Michigan District Office, DEQ

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
INDUSTRIAL WASTE CONTROL DIVISION

303 S. LIVERNOIS AVENUE
DETROIT, MICHIGAN 48209
PHONE 313•297•9400
FAX 313•297•5860
WWW.CI.DETRIOT.MI.US

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August 30, 2005

Mr. Matthew Campbell
Septage Waste Program Coordinator
Water Bureau
Department of Environmental Quality
Constitution Hall, 2nd Floor – North
P.O. Box 30273
Lansing, MI 48909-7773

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Re: DWSD Septage Receiving Facilities Operating Plan

Dear Mr. Campbell:

In accordance with your letter dated June 9, 2005, attached is the Detroit Water and Sewerage Department's (DWSD) Septage Receiving Facilities Operating Plan for your review and approval.

We have complied with all specified requirements including:

- A Public Notice has been sent by first class mail to all three (3) Tri-County Health Departments and seventy-eight (78) Legislative bodies of all communities in our service area.

- Additionally, the Public Notice of the operating plan is scheduled to be published in the Detroit News, Detroit Free Press, and Detroit Legal News on August 30, 2005.

We will advise you of any comments received and any modifications made to the plan in response to those comments, if any.

Should you have any questions, you can reach me at (313) 297-5801.

Sincerely,

Stephen J. Kuplicki
Manager
Industrial Waste Control Division

SK/jj

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Detroit Water & Sewerage Department

Domestic Receiving Facility Operating Plan

The City of Detroit, owns and operates a Wastewater Treatment Plant and regional sewerage system that receives wastewater from domestic, commercial and industrial sources, as well as septic wastes accepted at specific receiving facilities. The receipt of septic wastes is made by truck, or equivalent hauling method, and is regulated by the Detroit Water & Sewerage Department through a permit system, under authorization of the Hauled in Waste Rules, adopted by the Board of Water Commissioners in 1985.

The State of Michigan has amended Part 117 of the Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 P.A. 451, to require the development of an Operating Plan ("Plan") describing the receipt of septage wastes. This plan is submitted in response to this requirement.

1) Detroit Service Area and Waste Treatment Capabilities

The Detroit Wastewater Treatment Plant is located at 9300 W. Jefferson in Detroit Michigan, and provides wastewater treatment services to the Detroit Service Area. The Detroit Service Area includes the City of Detroit and 78 other communities (See attachment 1) within Wayne, Oakland and Macomb counties.

The Detroit Wastewater Treatment Plant is regulated under NPDES permit MI0022802, and is authorized to process a maximum flow rate of 930 MGD through secondary treatment. For the fiscal year 2004-2005, the average plant flow was 665 MGD. **Therefore, the available hydraulic capacity is 265 MGD (930-665).**

The available organic capacity of the Detroit Wastewater Treatment Plant was summarized in the **"Final Report: Re-evaluation of Local Limitations"**, DWSD, October 1, 2002, submitted to and approved by the State of Michigan, Michigan Department of Environmental Quality. The Maximum Allowable Headworks Load ("MAHL") for Biochemical Oxygen Demand (BOD) was 1,203,000 lbs/day, while the actual load received was 550,981 lbs/day. **Therefore, the available organic capacity is 652,019 lbs/day.**

During 2004, the approximate flow of septage received was 18,350,000 gallons, or 50,274 gallons/day. The Detroit Wastewater Treatment Plant receives approximately 15% of the septage load, while the Oakland County facilities receive 85% of the septage load.

2) Septage Receiving Facilities

There are three (3) septage receiving facilities designated within the Detroit Service Area for receipt of septage waste. The following information is provided on these facilities:

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a) Receiving Facility 1 – Detroit Wastewater Treatment Plant

b) Receiving Facility 2 – Oakland County "Eight Mile" Site

c) Receiving Facility 3 – Oakland County "Oakland Service Center" Site

Receiving Facility	Location	Hours of Operation	Category of Septage Waste Accepted
1	9300 W. Jefferson Ave. Detroit, MI	24 hours/day Seven (7) days/week	Domestic Septage
2	22440 E. Eight Mile Rd. Southfield, MI	8:30 a.m. – 4:30 p.m. Monday-Friday (except Holidays); 9:00 a.m. – 4:00 p.m. Saturday Closed on Sunday	Domestic Septage
3	1155 Cesar Chavez Rd. Pontiac, MI	8:30 a.m. – 4:30 p.m. Monday-Friday (except Holidays); 9:00 a.m. – 4:00 p.m. Saturday Closed on Sunday	Domestic Septage Domestic Treatment Plant Septage

Note 1: Food Establishment Septage is not accepted at any of the receiving facilities. The Department has implemented an FOG Pollution Prevention effort to address the proper handling and disposal of these wastes.

Note 2: Categories of Septage Waste Definitions (see section 6)

3) Fee Structure Charged To the Hauler to Dispose of Septage for Treatment

The disposal fee is based upon the volumetric sewerage rate and the costs for treating Biochemical Oxygen Demand ("BOD"), Total Suspended Solids ("TSS"), Phosphorus ("P") and Fats, Oils and Grease ("FOG"). Rates are revised annually.

a) For the year beginning August 1, 2005, the current disposal cost for septage waste received at the Detroit Wastewater Treatment Plant is $10.00 per 500 gallons of septage waste discharged. [Septage Haulers need to buy tokens in advance in increments of 500 gallons. Trucks will be weighed before and after dumping to determine amount of septage discharged.]

b) Oakland County sites charges $24.00 per 500 gallons. [Haulers pre-purchase tokens based on truck size and capacity.]

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4) Service Area of Septage Receiving Facility

The Detroit Service Region includes a substantial portion of Wayne, Oakland, and Macomb counties (820 sq. miles). The region is depicted in attachment 2 with overlays of the 15 radial mile limits.

5) Other Conditions for Receiving Septage Waste

The City of Detroit, Water and Sewerage Department, has regulated the receipt of Septage wastes for the past twenty (20) years through its Hauled in Waste Rules adopted in 1985 (copy attached). The following additional conditions have been established for the receipt of septage wastes.

a) All trucks must be licensed through the Health Department of Wayne, Oakland, or Macomb County (depending on septage hauler location), and the Michigan Department of Environmental Quality ("MDEQ") as a pre-condition of applying for a DWSD Unloading Permit.

b) Permittees are authorized to discharge at specific receiving stations. Water is available and provided to clean the area after discharge.

c) Permittees must paint or affix their DWSD Permit Number on both sides and rear of each hauling vehicle.

d) Permittees vehicles must carry copies of their DWSD Septage Hauler Unloading Permit, DEQ Business license, and DEQ Vehicle license.

e) DWSD reserves the unrestricted right to:
   i) Observe loading, hauling, and unloading of vehicles.
   ii) Obtain representative samples of vehicles contents at unloading sites.
   iii) Obtain information from the vehicle operator at unloading site as to origin and quantity of material in the vehicle and pick up log.
   iv) Examine the DWSD Unloading Permit at the unloading site.

f) Waste Tracking System:
   All Septage Haulers are required to implement a waste tracking system, which track, the source, types and quantities of waste that are being hauled and discharged into a receiving station.
   i) Maintain a written log identifying the source (origin) of waste pickup, including address, telephone number, type of waste, volume (gallons), date and time of pickup.
   ii) Provide certification of the log that the wastes being hauled are in compliance with City, State and Federal regulations for all generators serviced.

iii) Submit a Six Month Report, incomplience with their permit, including waste analyses, copies of written logs and signed certification statement and any additional information required by the DWSD Unloading Permit.

g) DWSD reserves the right to conduct inspection of a Septage Hauler's facility to examine records, compliance with its Unloading permit.

h) Compliance with all applicable requirements of the Detroit Water and Sewerage Department Hauled in Waste Rules.

6) **Definitions**: The following term are defined as used within this plan:

Domestic Septage – the septage pumped from home septic tanks, recreation vehicles (RV), cesspool, portable toilet, type III marine sanitation device, or similar storage or treatment works that receives only domestic sewage.

Domestic Treatment Plant Septage – means biosolids generated during the treatment of domestic sewage in a treatment works and transported to a receiving facility or managed in accordance with a residuals management program approved by the department.

Food Establishment Septage – material pumped from a grease interceptor, grease trap, or other appurtenance used to retain grease or other fatty substances contained in restaurant wastes and that is blended into a uniform mixture, consisting of not more than 1 part of that restaurant derived material per 3 parts domestic septage, prior to land application or disposed of at a receiving station.

This Operating Plan has been developed by the Detroit Water and Sewerage Department on August 19, 2005, in accordance with the requirements of Part 117, as amended, and MDEQ guidance dated June 9, 2005.

Questions concerning this plan should be directed to Mr. Jayakumar Pallegar, P.E. at (313) 297-5882.

Approved By:

Stephen J. Kuplicki, P.E.
Detroit Water & Sewerage Department
Manager, Industrial Waste Control Division

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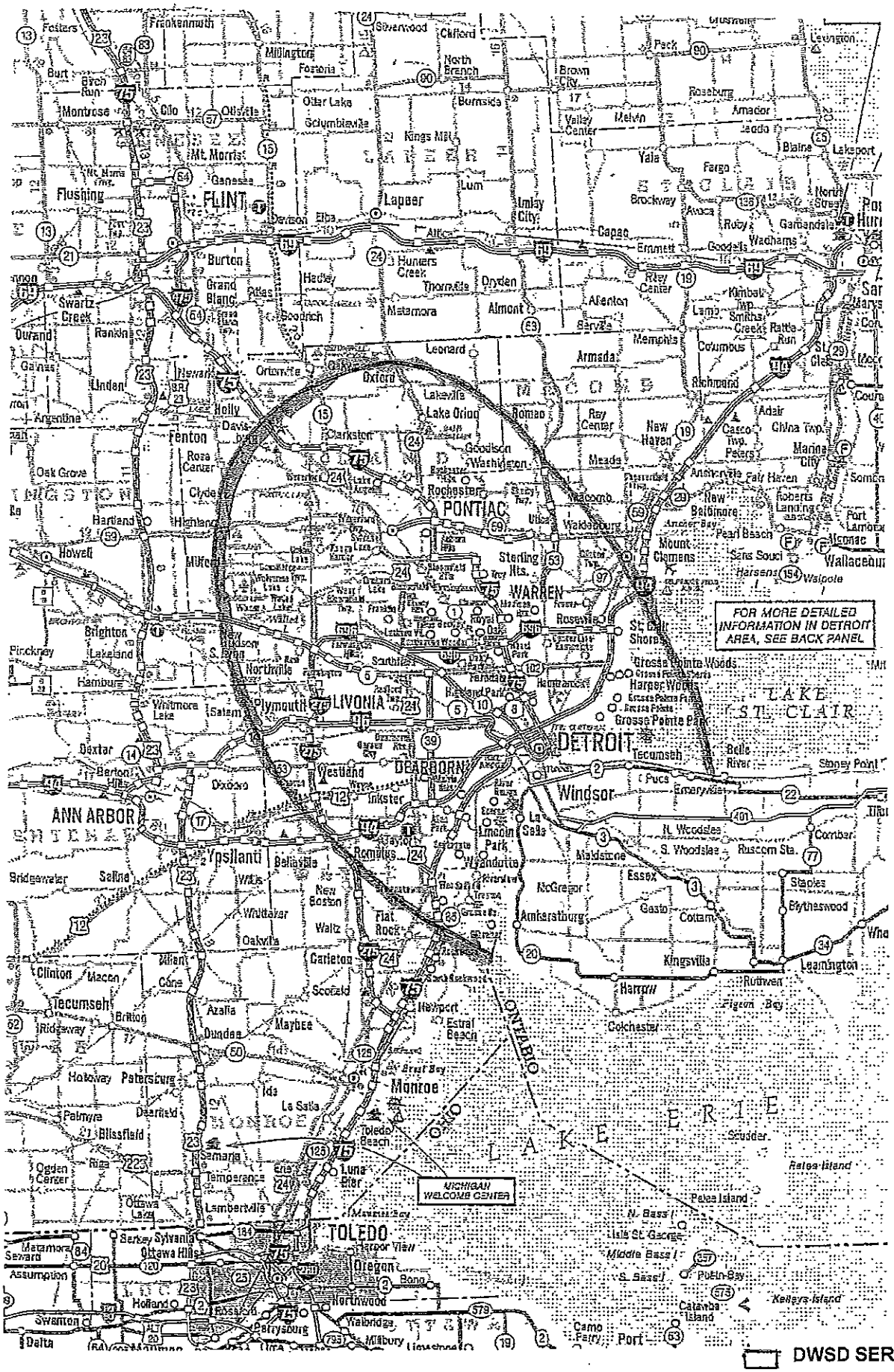
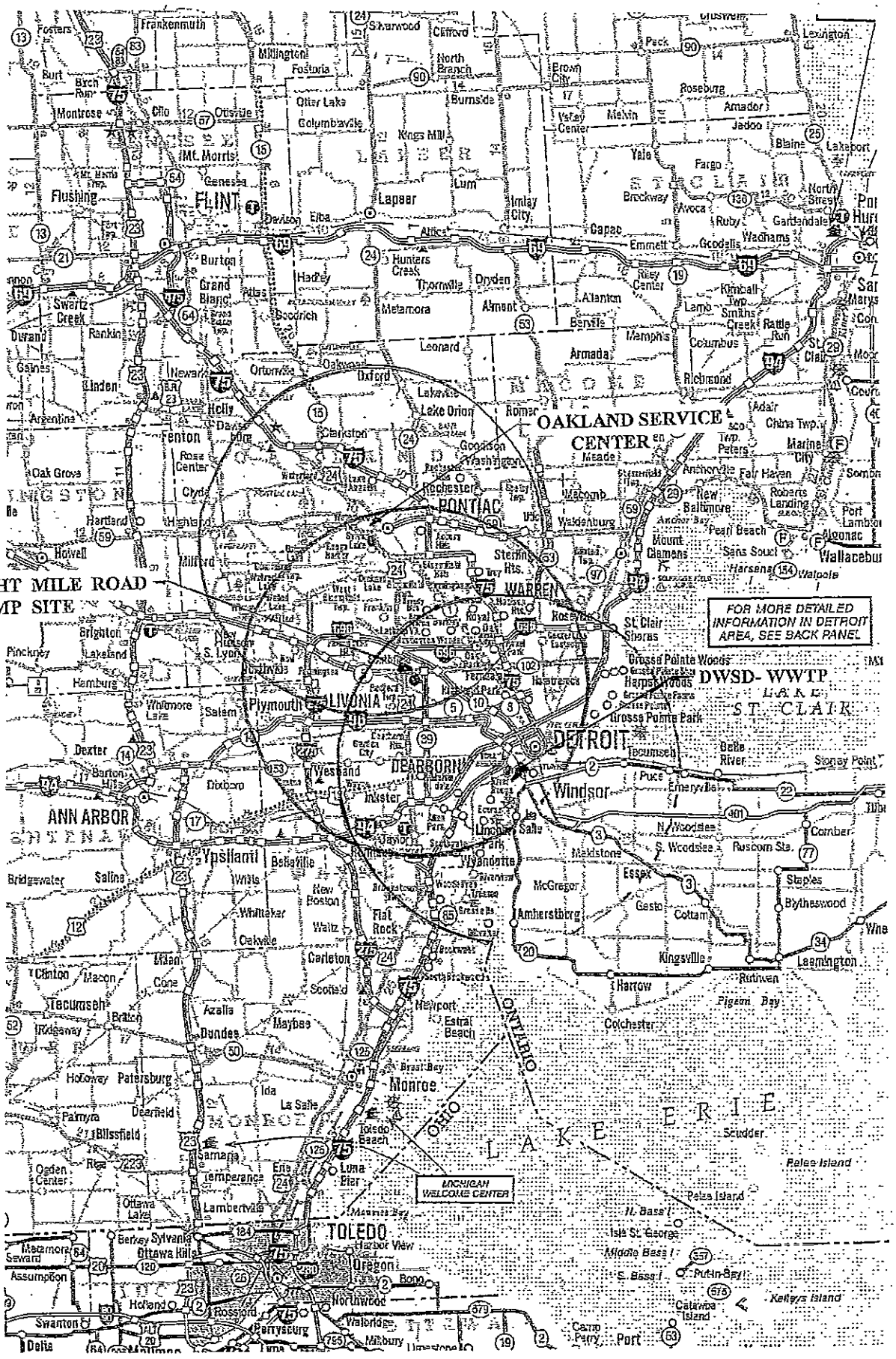
ATTACHMENT 1 D.W.S.D. SERVICE AREA



DWSD SERVICE AREA

15 RADIAL MILE LIMIT

ATTACHMENT 2: D.W.S.D. RECEIVING FACILITIES OVERLAYS OF 15 RADIAL MILE LIMIT



PUBLIC NOTICE

August 30, 2005

Detroit Water and Sewerage Department
Operating Plan for Septage Waste Receiving Facilities

The State of Michigan has amended Part 117 of the Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 P.A. 451, to require the development of an Operating Plan ("Plan") describing the receipt of septage wastes.

The Detroit Water and Sewerage Department has received, and will continue to receive, domestic septage in accordance with the developed plan.

The operating plan includes and describes: the location, hours of operation, types of septage waste accepted, fee structure, service area, and other conditions applicable to the receipt and acceptance of septage waste.

Copies of the Operating Plan have been submitted to all communities served by the Detroit Water & Sewerage Department, and is available for review at the Department office located at 303 S. Livernois Ave., Detroit, Michigan 48209, between 8:00 a.m. to 3:00 p.m., Monday through Friday.

Written comments concerning this plan should be submitted by September 30, 2005, to attention of:

Mr. Stephen Kuplicki, P.E.
General Manager
Detroit Water and Sewerage Department
Industrial Waste Control Division
303 S. Livernois Avenue
Detroit, MI 48209

For additional information, please call Mr. Jayakumar Pallegar at (313) 297-5882.

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