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State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

August 27, 1997

CERTIFIED MAIL

Re: Modification to Permit to Install No. 14-710
Hamilton County

RECEIVED

Millcreek Wastewater Treatment Plant
1600 Gest Street
Cincinnati, OH 45204

SEP 4 1997

Hamilton County Department
of Environmental Services

Attention: Mr. Gerald Seymour

You are hereby notified that the Ohio Environmental Protection Agency has made a recommendation that the Director issue a modification of a Permit to Install for the source(s) shown on the enclosed draft modification. The purpose of this draft is to solicit public comments on the proposed modification. A public notice concerning the draft modification will appear in the Ohio EPA Weekly Review and the newspaper in the county where the source(s) are located. Comments from the public and any affected parties will be accepted by the field office within 30 days of the date of publication in the newspaper.

A modification of the Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting.

If you have any questions about this draft modification, please contact Michael E. Hopkins at (614) 644-2280.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

Enclosure

cc: US EPA
Harry Schwietering, SWOAPCA
Kathleen Shannon

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director



Permit to Install Terms and Conditions

Issuance Date:

Effective Date:

OHIO ENVIRONMENTAL PROTECTION AGENCY

MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: Millcreek Wastewater Treatment Plant
Address: 1600 Gest Street
City: Cincinnati, OH

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

The Permit to Install issued to **Millcreek Wastewater Treatment Plant, Permit to Install 14-710** is hereby modified in the following manner:

Terms and Conditions on Pages 2 and 3 of Permit to Install issued on **January 6, 1988**.

The reason for the modification is: **to issue the January 6, 1988, PTI Modification 14-710 as a Draft to make it federally enforceable and allow interested parties the opportunity to comment.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency

Director



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149

RECEIVED SWO AIR
POLLUTION CONTROL

JAN 12 1988



Richard F. Celeste
Governor

January 6, 1988

Re: Modification to Permit to
Install No. 14-710

Hamilton County

Millcreek Wastewater Treatment Plant
1600 Gest Street
Cincinnati, Ohio 45204

Attention: Mr. Gerald Seymour

CERTIFIED MAIL

Dear Sir:

Enclosed please find a modification to the Ohio EPA Permit to
Install referenced above with the agreed upon Special Terms and
Conditions.

You are hereby notified that this action of the Director is final.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations Section
Division of Air Pollution Control

Enclosure

cc: US EPA
Harry Schwietering, SWOAPCA
Kathleen Shannon

Issuance Date: Jan. 8, 1988

Effective Date: Jan. 8, 1988

OHIO ENVIRONMENTAL PROTECTION AGENCY

MODIFICATION TO PERMIT TO INSTALL NO. 14-710

Name of Applicant: Millcreek Wastewater Treatment Plant
Address: 1600 Gest Street
City: Cincinnati, Ohio 45204
Telephone: (513) 352-4800

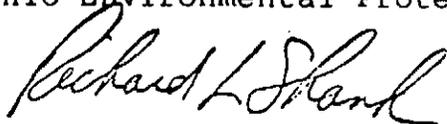
The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

The Permit to Install issued to Millcreek Wastewater Treatment Plant (PTI No. 14-710) is hereby modified in the following manner: (see attached special terms and conditions)

The reason for this modification is: Environmental Board of Review settlement case numbers 311532 and 311533.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency



Director

1. The sources covered by this permit and the applicable Ohio Administrative Code rules are listed below:

<u>Sources</u>	<u>Applicable Rules</u> <u>(OAC 3745-)</u>
Two 25.1 MMBTU/Hr. Gas/Oil/Digester gas boilers	31-05(A) 17-10, 18-06

2. No later than July 1, 1988 MSD shall ensure that all digester gas used in these boilers shall come from sludge that was treated with metal salts prior to entering the digester. The metal salts employed shall result in the reduction of sulfur equivalent to at least 850 lbs. per day of ferrous chloride. Alternate sulfur removal technology which achieves sulfur dioxide emission reduction equivalent to the metal salts treatment may be employed with the approval of Ohio EPA. The daily average hydrogen sulfide content of the digester gas shall not exceed 870 P.P.M. as fired.

Prior to July 1, 1988 the daily average hydrogen sulfide content shall not exceed 1700 P.P.M.
3. The emissions of sulfur dioxide from the operation of these boilers shall not exceed the following:

 .25 pound/10⁶ BTU
 39 tons/year
4. The use of digester gas treated with metal salts equivalent to at least 850 lbs. per day of ferrous chloride or equivalent sulfur reduction methods, or the use of natural gas or no. 2 fuel oil in these boilers satisfies the Best Available Technology requirements of OAC 3745-31-05.
5. This facility shall continuously monitor and record the hydrogen sulfide concentration of the digester gas burned in these boilers. The daily average hydrogen sulfide concentration shall be calculated and recorded. Each week a grab sample of the digester gas shall be obtained and analyzed to determine the heat content. Certified analysis (or equivalent) of the no. 2 fuel oil shall be obtained for each fuel delivery indicating the sulfur content, heat content and the density.
6. Quarterly reports concerning the quality and quantity of the fuel burned in these boilers shall be submitted to the Ohio EPA field office. These reports shall include the following information for each calendar month during the calendar quarter:
 - a) the total quantity of digester gas burned;
 - b) the volume weighted average sulfur content (percent) of the digester gas;
 - c) the volume weighted average heat content (BTU/cubic foot) of the digester gas;
 - d) the average density (lbs./cubic foot) of the digester gas;
 - e) the average sulfur dioxide emission rate (lbs.SO₂/10⁶ BTU actual heat input) from the digester gas.
 - f) the total quantity of fuel oil burned (gallons);
 - g) the sulfur content (percent) of the fuel oil;

- h) the heat content (BTU/gal.) of the fuel oil;
- i) the density (lbs./gal.) of the fuel oil; and
- j) the average sulfur dioxide emission rate (lbs. $\text{SO}_2/10^6$ BTU actual heat input) from the fuel oil.
- k) the total quantity of natural gas burned; and
- l) the total sulfur dioxide emission rate (lbs. $\text{SO}_2/10^6$ BTU actual heat input) from all fuels.

These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the data obtained during the previous calendar quarters.

RECEIVED

NOV 25 1997

OHIO EPA INTER-OFFICE COMMUNICATION

Hamilton County Department
of Environmental Services

DATE:

TO: Hamilton County and Permit Management Unit

FROM: Legal Records Section

SUBJECT: Proof of Publication - Draft Action - PTI Modification -
(Air Sources)

The required public notice for the draft action on a Permit to Install has appeared in the appropriate newspaper as indicated below:

Facility Name: Millcreek Wastewater Treatment Plant

PSD-PTI Application Number: 14-710

PSD-PTI Date of Mailing: August 27, 1997

Newspaper: Hamilton County - The Cincinnati Enquirer

Date of Public Notice: 9/10/97

10/10/97
T.R.