



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

August 26, 2009

CERTIFIED MAIL

Mr. Tom Mirante
Youngstown Wastewater Treatment Facility
725 Poland Ave.
Youngstown, OH 44502

RE: **CERTIFIED WARNING LETTER FOR EXCESSIVE USE OF EMERGENCY BYPASS
AND INSPECTION FOLLOW-UP
YOUNGSTOWN WASTEWATER TREATMENT FACILITY
DAPC FACILITY ID # 02 50 11.0501**

Dear Mr. Mirante:

On July 23, 2009, an inspection of Youngstown Wastewater Treatment Facility (YWWTF) was conducted to determine compliance with the facility's Title V permit and Ohio's air pollution control laws. As part of the inspection, the two incinerators (N001 and N002) and the insignificant units were observed. The emissions units are required to have a Title V permit in accordance with Ohio Administrative Code (OAC) rule 3745-77-02, "Title V Permit Rules - Prohibition and Applicability," and Title V inspections are authorized under OAC rule 3745-77-07(C)(2). The purpose of this letter is to provide a written follow-up to the inspection. This letter also serves to notify you that the number of emergency bypass events that have occurred since 2007 is considered excessive, and is a violation of the terms and conditions of the Title V operating permit as well as Ohio Revised Code (ORC) 3704.05(J).

Specifically, section A.II.4 of the Title V permit for N002 states that "the emergency bypass shall not be used during the incineration of sludge." Since the previous compliance inspection in August 2007, at least ten emergency bypass events have occurred on nine separate days, resulting in an estimated 494 lbs of uncontrolled particulate emissions and 2.1 lbs of uncontrolled lead emissions. Following is a table summarizing the details of the emergency bypass events which were provided in letters from your facility.

Date	Duration	Estimated Emissions	Reason Given
9/25/07	3 hours, 40 minutes	209.2 lbs PE, 0.77 lb Pb	#1 boiler burst a water tube
3/12/08 & 3/14/08	1 hour, 10 minutes total	53.4 lbs PE, 0.2 lb Pb	PLC problem, ID fan failed, bad thermocouple
8/22/08	10 minutes	8.9 lbs PE	Chart recorder on incinerator failed
11/19/08 & 1/12/09	50 minutes total	35.6 lbs PE, 0.04 lb Pb	ID fan failures
1/26/09 & 1/28/09	40 minutes total	31.15 lbs PE, 0.18 lb Pb	ID fan failures
2/12/09	3 hours, 25 minutes total	155.75 lbs PE, 0.91 lb Pb	Lost power

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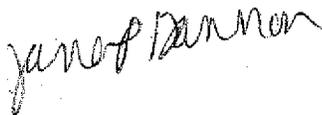
According to this summary, the emergency bypass was used for over 9.9 hours during this 17-month time period. This period of time is considered excessive by our office. This is also a violation of ORC 3704.05(J)(2), which states, "No person shall...violate any applicable requirement of a Title V permit or any permit condition..." At least six of the ten events were caused by some type of ID fan failure, which should be preventable with proper maintenance.

Please provide a written explanation of the measures that have been or will be taken to prevent similar occurrences in the future, including, but not limited to, a summary of maintenance performed on the ID fan and a schedule of maintenance yet to be performed. Also, since the waste heat boilers are an integral part of the incinerator operation, a schedule for repair and/or replacement of the #1 boiler should be submitted as a back-up for the #2 boiler. This information should be submitted **within 14 days** of receipt of this letter.

The submission of the above information does not constitute a waiver of Ohio EPA's authority to seek civil penalties as provided in Section 3704.06 of the Ohio Revised Code. The determination to pursue or decline such penalties in this case will be made by the Ohio EPA at a later date. Nothing in this letter shall be construed to authorize any waiver from the requirements of any applicable state or federal laws or regulations. Failure to respond within the specified time frame can result in further enforcement action, up to and including a referral to Ohio EPA's Central Office.

Should you have any questions regarding this matter, please feel free to contact me at (330) 963-1261.

Sincerely,



Jana L. Gannon
Environmental Specialist
Division of Air Pollution Control

JLG:bo

pc: Misty Koletich, Mahoning-Trumbull Air Pollution Control Agency

ec: Tim Fischer, Ohio EPA, DAPC, NEDO