



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 3, 2009

RE: GEAUGA COUNTY
VILLAGE OF MIDDLEFIELD
MIDDLEFIELD PLASTICS
OHIO EPA PERMIT #3IQ00041
PRE-PERMIT INSPECTION

Mr. John D. Fisher, President
Middlefield Plastics Inc.
15235 Burton Windsor Road
P.O. Box 708
Middlefield, OH 44062

Dear Mr. Fisher:

On December 1, 2009, a pre-permit inspection was conducted at the above referenced facility. Present at the inspection was John Kwolek, Megan Talcott, and the undersigned from Ohio EPA. Also present was yourself, representing the facility.

Middlefield Plastics is an extruder of plastics, and utilizes contact cooling water during this process. The cooling water is provided from the site's private water well or from the pond behind the building. There are no additives. After being utilized, the cooling water is discharged to the pond or to the roadside ditch in front of the property. During our inspection, cooling water was being discharged to both the pond and to the roadside ditch. The permitted outfall in the facility's NPDES permit is described as "at the end of the contact cooling water discharge pipe prior to entering Burton-Windsor roadside ditch".

Review of the self monitoring reports from December 2006 to December 2009 revealed the following numeric effluent violations:

Permit No	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
3IQ00041*CD	001	Biochemical Oxygen Dem	30D Conc	10	11.	12/1/2007
3IQ00041*CD	001	Oil and Grease, Total	30D Conc	10	19.	1/1/2008
3IQ00041*CD	001	Oil and Grease, Total	30D Qty	0.057	.0827	1/1/2008
3IQ00041*CD	001	Oil and Grease, Total	1D Conc	10	19.	1/16/2008
3IQ00041*CD	001	Oil and Grease, Total	1D Qty	0.057	.0827	1/16/2008

Before renewing an NPDES permit, storm water controls also needed to be evaluated in order to determine whether storm water requirements are needed in the renewal permit. Several clean storm water drains empty into the pond, which has an emergency overflow. Because there appear to be no external storm water issues, it is directed you

Mr. John D. Fisher
Middlefield Plastics Inc.
December 3, 2009
Page 2

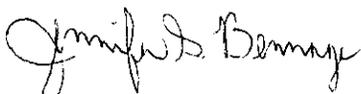
complete and submit the attached "No Exposure Certification" application form (enclosed) to John Morrison, Ohio EPA Central Office. If you qualify for no exposure certification, you are exempt from storm water permit requirements until your facility no longer qualifies for no exposure certification.

During our visit, the sanitary wastewater treatment system was also inspected. The sanitary wastewater, generated by the facility's 35 employees, proceeds to a 416 gallon trash trap, 1500 gpd extended aeration treatment plant, 500 gallon dosing chamber, 180 square foot surface sand filter, and 1200 lineal foot evaporation-transpiration tile field. The Permit to Install (#02-10582) for the system was issued on September 5, 1996.

It's understood that the trash trap is pumped approximately every three months. It's also understood that one of the facility's employees is a certified Class I wastewater treatment plant operator. During the inspection, the aeration tank was receiving adequate air and was the proper chocolate brown color. The clarifier did contain some solids which should be pumped out. The surface sand filter also had a small amount of solids and weeds which should be removed. There were no visible signs of effluent surfacing in the tile field area, and it's understood that there's never been a problem with mowing the tile field area.

In conclusion, both the contact cooling water discharge and the wastewater treatment system appear to be in good condition. The renewal permit will be drafted after this office receives word from Central Office about your no exposure certification. Middlefield Plastic's renewal NPDES permit will then contain the same effluent limitations and monitoring requirements as the previous permit. You will receive a copy of the draft permit and will have an opportunity to comment. If you have any questions, please contact this office at (330) 963-1151.

Sincerely,



Jennifer S. Bennage
Environmental Engineer
Division of Surface Water

JSB/mt

Enclosure

cc: Mr. John Kwolek, Ohio EPA, DSW, NEDO
Ms. Angie Fischbach, Controller, Middlefield Plastics