



State of Ohio Environmental Protection Agency

Northeast District Office

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

April 6, 2010

RE: PENTAIR WATER TREATMENT
CITY OF CHARDON
GEAUGA COUNTY
3IE00058 (OH51551)

Mr. Kevin Williams
Pentair Water Treatment
110 Park Drive
Chardon, Ohio 44024

Dear Mr. Williams:

On March 9, 2010 this writer met with you to conduct a compliance evaluation inspection and review the facility in regards to the renewal of the National Pollutant Discharge Elimination System (NPDES) permit. The NPDES permit for the above referenced facility will expire on May 30, 2010. A draft copy of the renewal permit will be sent under separate cover. Any comments regarding the draft permit must be submitted in writing during the public notice period.

Pentair manufactures fiberglass reinforced plastic pressure vessels and composite polyethylene tanks. The tanks are used for a variety of applications with most being used to hold water for water treatment processes. Tanks are blow molded on site and wound with a mixture of fiberglass roving and standard two part epoxy. The tanks are pressure tested, inspected and shipped from the facility.

The facility discharges to an unnamed tributary to Big Creek. The final effluent appeared to be in satisfactory condition at the time of the inspection. Sources of wastewater discharged through outfall 001 include non contact cooling water, storm water, cycle pressure testing of tanks and tank burst chamber. , tank burst testing, non contact cooling water and storm water. All discharges from the site, other than storm water, are from building #1. There are no floor drains present in all the buildings. The discharges for the blow mold machines are in buildings 2 and 3 and are routed to the City of Chardon sanitary sewer system.

As discussed during this inspection, the discharge through outfall 602 was eliminated. The boiler blow-down and condensate overflow was the only source, other than storm water, entering outfall 002. In 2005, the facility removed any potential source of copper entering outfall 002 by connecting the boiler drain to the City of Chardon sanitary sewer system.

The copper data submitted for outfall 001 was discussed. The copper data available for your facility suggests it may be possible that a reasonable potential to cause or contribute to an excursion of the water quality standard for copper exists. It was noted that the cause of the slightly elevated copper samples at outfall 001 may be from the City of Chardon water supply. A copper sample submitted for the influent City of Chardon water supply was 483 ug/l. Copper piping is present in the building which could also be a cause for some elevated copper sample results. There are no other processes at the facility which would be known to contribute to elevated copper levels. A reasonable potential cannot be determined without an adequate amount of copper data. As such, the renewal permit will contain copper sampling at outfall 001 at a frequency of twice a year. Any reasonable potential determination will be made pursuant to the Ohio Administrative Code 3745-2-06.

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Review of discharge monitoring reports indicates some minor compliance issues with the NPDES permit effluent limits. A summary of NPDES permit discharge violations for the period of January 1, 2008 through March 1, 2010 has been attached to this letter. If you notice any errors in the attached violation summary, please contact this office so the error may be resolved. Any reporting errors or eDMR errors may be directed to Mr. James Roberts of this Agency's Central Office at (614) 644-2054.

The facility is currently covered under a General Industrial Stormwater Permit. This coverage was obtained on June 1, 2006. You have agreed to include the stormwater language in your individual NPDES permit to provide stormwater coverage and eliminate the need for two separate permits at this facility. Once the individual NPDES permit is effective, you will need to terminate the General Industrial Stormwater Permit. To terminate the General Permit, you will need to submit the Notice of Termination (copy enclosed) to our Central Office at

Ohio EPA
General Permit Program
PO Box 1049
Columbus, OH 43216-1049

Your individual NPDES permit will include Parts 4, 5 and 6 which contain the same requirements of the General Stormwater Permit which are operating under. A Stormwater Pollution Prevention Plan (SWP3) has been developed for the entire facility. Please note the SWP3 must include interior and exterior operations, Best Management Practices for your site, Spill Prevention and Response, and any other waste handling and site management practices that are used for your site. In addition, records keeping is also an important aspect of the SWP3.

Overall, the findings of the inspection were satisfactory. If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/mt

Enclosure: Notice of Termination for Storm Water General Permit

File: Industrial/Permit Compliance/Pentair Water Treatment

Discharge Monitoring Violations

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2008	001	Total Suspended Solids	1D Conc	20	26.	3/5/2008
March 2008	001	Total Suspended Solids	30D Conc	15	26.	3/1/2008
May 2008	001	Total Suspended Solids	1D Conc	20	23.	5/2/2008
May 2008	001	Total Suspended Solids	30D Conc	15	23.	5/1/2008
June 2009	001	Total Suspended Solids	30D Conc	15	17.	6/1/2009