



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

April 3, 2012

Mr. Farsad Fotouhi, Corporate VP Environmental Engineering
Pall Corporation
600 South Wagner Road
Ann Arbor, Michigan, 48103

Dear Mr. Fotouhi:

SUBJECT: CSI-Conventionals Only
NPDES Permit No. MI0048453
Designated Name: Pall Life Sciences Inc

On March 20 and 28, 2012, staff of the Department of Environmental Quality (DEQ), Water Resources Division (WRD), conducted an inspection at the Pall Life Sciences facility, 600 South Wagner Road, Ann Arbor, Michigan. The purpose of the inspection was to evaluate the facility's compliance with Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.3101 *et seq.* and the Administrative Rules promulgated there under being 2006 AACRS R 323.2101 *et seq.*, as amended, and National Pollutant Discharge Elimination System (NPDES) Permit No. MI0048453.

Thank you for your time and assistance during the inspection, which included an interview, records review, laboratory review, and site inspection. In addition, DEQ staff collected effluent samples on March 20. The results of our sampling effort will be provided to you in a separate correspondence later this spring or summer.

During the inspection, the treatment system was operating normally and appeared to be well operated and maintained. Wastewater is treated with ozone followed by hydrogen peroxide to cause oxidation of the contaminants. Sodium bisulfite is then added for hydrogen peroxide destruction. The treated wastewater is then discharged to the green pump house where composite and grab samples are collected by the operators. The operators analyze grab samples for hydrogen peroxide and pH at the green pump house and composite samples for 1,4-dioxane and bromate are analyzed in the laboratory. Flow is metered at the pump house (approximately 800 gallons per minute) and then discharged to an unnamed tributary to Honey Creek. The effluent was observed at the discharge point and had some turbidity due to natural iron presence in the ground water.

There have been no effluent violations in the past year. As part of the laboratory review, DEQ staff compared results from select Pall-submitted discharge monitoring reports (DMRs) with laboratory bench sheets. There were no discrepancies with the exception of one apparent data entry error of little significance. The laboratory appeared to be well operated and maintained as well.

Again thank you for your time and it was interesting to observe your treatment system in action. We appreciate your efforts to maintain compliance with your NPDES permit. If you have any questions or comments regarding this letter, please contact me at the number listed below.

Mr. Farsad Fotouhi
Pall Corporation

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Should you require further information, please contact me at 517-780-7921; surfusj@michigan.gov; or DEQ, WRD, Jackson District Office, 301 East Louis Glick Highway, Jackson, Michigan 49201-1556.

Sincerely,

Jeff Surfus
Jackson District Office
Water Resources Division

cc: Ms. Sybil Kolon, DEQ, Remediation Division
File: Pall Life Sciences, MI0048453, Correspondence, Washtenaw County