



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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

February 23, 2010

*Atty General's  
reference  
4-17-10.*

RE: ASHTABULA COUNTY  
HARTSGROVE TWP.  
BP CONVENIENT STORE  
PERMIT NO. 3PR00214  
(5599 STATE ROUTE 6)

Mr. David Nye, Owner  
Hartsgrove BP Convenience Store  
5599 State Route 6  
Columbus, IN 47201

Dear Mr. Nye:

On January 27, 2010, a compliance evaluation inspection was conducted on the wastewater treatment plant (WWTP) serving the Hartsgrove BP convenience store / Circle Creek Cabin Restaurant complex, located at 5599 SR 6, Hartsgrove Township, Ashtabula County. The last Ohio EPA compliance inspection was conducted on July 8, 2008.

At the time of the January 27<sup>th</sup> WWTP inspection, the following observations were made:

- (1) The trash trap / grease trap contents were typical.
- (2) The flow equalization tank water level was down, and the contents were turbid and not being aerated. Pumps for the flow equalization tank were in the 'AUTO' position, and did operate when tested in the manual position.
- (3) The aeration tank was not being aerated, and contents of the aeration tank were a dark greasy brown. The surface of the water in the aeration tank was beginning to freeze, and the return sludge line was not operating. It is not known whether or not the blowers for the aeration tank are on a timer.
- (4) The settling tank contents were also dark brown, and the surface was starting to freeze. There was a large solids buildup in the settling tank, particularly behind the effluent baffle. The effluent trough also contained a solids deposition.
- (5) The pumps in the membrane biological reactor dosing tank were in the 'AUTO' mode, and were operational when tested in the manual mode.

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- (6) The membrane biological reactor system could not be inspected, as the door to the building was locked, and no one was available for entry. The blowers leading to the membrane reactor building were operating, however.
- (7) The chlorination / dechlorination unit tubes contained no tablets. However, disinfection is not required this time of year (November 1<sup>st</sup> through April 30<sup>th</sup>).

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the Hartsgrove BP Convenience Store WWTP since the facility's last CEI, found the following numeric effluent limit violations (July 1, 2008 through February 1, 2010):

**Hartsgrove BP Convenience Store**  
**Numeric Effluent Violations**  
**NPDES Permit NO. 3PR00214**  
**(Jul. 1, 2008 – Feb. 1, 2010)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2008	Total Suspended Solids	1D Conc	1.8	5.	3/20/2008
March 2008	Total Suspended Solids	30D Conc	1.2	5.	3/1/2008
March 2008	CBOD 5 day	1D Conc	1.5	4.	3/20/2008
March 2008	CBOD 5 day	30D Conc	1.0	4.	3/1/2008
June 2008	Total Suspended Solids	1D Conc	1.8	11.	6/15/2008
June 2008	Total Suspended Solids	30D Conc	1.2	11.	6/1/2008
June 2008	Total Suspended Solids	30D Qty	0.02	.02931	6/1/2008
June 2008	Nitrogen, Ammonia (NH3)	30D Conc	0.1	.15	6/1/2008

The following O&M items should be addressed, and O&M practices which will enable the WWTP to consistently meet its NPDES Permit limits should be implemented:

- 1) If the aeration tank is not on a timer, the cause of the lack of aeration for the aeration tank should be determined. If the aeration tank is on a timer, please inform this office for future reference.
- 2) The settling tank should have the thick solids mat removed, the sides scraped down, the effluent trough cleaned, and any floating solids removed from the surface of the tank contents. Also, the skimmer level should be adjusted in the settling tank to a depth of approximately ¼ inch below the water surface.

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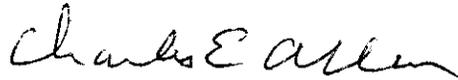
- 3) Based upon the condition of the settling tank, and our inability to inspect the membrane biological reactor, the condition of the reactor should be inspected for proper operation.

Please contact this office in writing, within 14 days of the receipt of this correspondence, as to what actions will be taken to address the above items.

Please be advised that failure to consistently meet the permitted effluent limits can subject the owner to legal enforcement action for violation of those limits.

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/mt

cc: Ashtabula County Health Department

File: SP/Ashtabula/HartsgroveTwp/HartsgroveBP