



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Ashland County
Landoll's Mohican Castle
NPDES permit

March 16, 2012

Ms. Marta Landoll
Landoll's Mohican Castle
561 Township Road 3352
Loudonville, Ohio 44842

Dear Ms. Landoll,

On February 28, 2012, an inspection was conducted of the waste water treatment facilities serving Landoll's Mohican Castle, 561 Township Road 3352, Hanover Township, Ashland County. At the time of the inspection, the plant was operating in a satisfactory condition and a clear final effluent was present in the chlorine contact tank.

The chlorine contact tank has been relocated and repaired since our previous inspection. The post aeration line still needs to be reinstalled in the chlorine tank. This should be completed before the warmer months when it is needed to meet the permit limits. It appeared as if a new discharge line was installed when the chlorine tank was moved. The discharge from the chlorine contact tank should still be routed to the rock swale that was constructed down the hillside. The rock swale prevents erosion as well as standing water conditions that can breed mosquitoes.

The operator's log book was reviewed and found to be acceptable. More descriptive operational notes should be included in the log. For instance, there was no mention as to why the flow equalization blower was not running. It is assumed this was due to settling the sludge in the sludge holding tank for decanting. This type of information should be included in the log.

A review of the discharge monitoring reports covering the months of February 2011 through February 2012 revealed several **violations** of the limits contained in your NPDES permit. A printout of these **violations** is included for your review.

If you have any questions please call me at 419-373-3070.

Sincerely,

Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm
Enclosure
pc: Kevin Dean, Dean's Backflow
ec: Inspection Tracking

Get New Data		Landoll's Mohican Castle NPDES permit limit violations February 2011 through February 2012.						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00171*BD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.37	7/1/2011
2PR00171*BD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	2.37	7/11/2011
2PR00171*BD	August 2011	001	00530	Total Suspended Solids	30D Conc	12	40.	8/1/2011
2PR00171*BD	August 2011	001	00530	Total Suspended Solids	30D Qty	0.59	.6056	8/1/2011
2PR00171*BD	August 2011	001	00530	Total Suspended Solids	1D Conc	18	40.	8/22/2011
2PR00171*BD	September 2011	001	00530	Total Suspended Solids	30D Conc	12	34.	9/1/2011
2PR00171*BD	September 2011	001	00530	Total Suspended Solids	1D Conc	18	34.	9/26/2011
2PR00171*BD	November 2011	001	00530	Total Suspended Solids	30D Conc	12	13.	11/1/2011

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 21R00171

Facility Name Landall's Mohican Castle Expiration Date 11/31/2013

Facility Address 561 TR 3552 Date 2/28/12 Time 11:15 am

City Londonville County Ashland Township _____

Name and Address of Owner Marta Landall

Person Contacted _____ Owner Phone _____

Flow: Design 13,000 GPD Present 5000-1000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 40° Sun

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: unsub trib Mohican River

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent good _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)	
IN	OUT
_____	<input checked="" type="checkbox"/>
_____	<input checked="" type="checkbox"/>
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	U.V.

Yes No

4. _____ Compliance with NPDES Permit

Periodic Violations Y _____ N TSS, NH3 Parameters:

Chronic Violations _____ X _____

5. _____ Adequate plant safety

6. _____ Operation and Maintenance Service Name Don's Backflow

Frequency of Visits 1/week

Facility Name: Landoll's Mohican Castle

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	EQ blower not on.
Aeration Equipment		Plant Timer <u>X</u> Y__N	Cycle Time:
	X	Motor/ Blower Unit <i>running</i>	<i>okay</i>
Secondary Treatment	X	Aeration Tank	Color: <i>good color</i> Adequate Aeration: <u>Y</u> X N__
Final Settling	X	Clarifier	<i>good clarity</i>
	X	Sludge Return	In <u>X</u> Out __
	X	Surface Skimmer	In __ Out <u>X</u>
	X	Fixed Media Clarifier	<i>very clear</i>
Tertiary Treatment	X	Surface Sand Filter	<i>Both filters very clean</i>
		Polishing Pond	
		Other	
Disinfection	X	Chlorine Tube Feeder	<i>out</i>
	X	Dechlorination Tube Feeder	<i>out</i>
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<i>on after dosing station</i>
		Recorder (continuous total)	
Pumps	X	Raw Wastewater (typ) <i>Flow EQ</i>	<i>okay</i>
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	X	Aerated Storage Tank	<i>about 3/4 full/air off</i>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<i>needs to be re-installed</i>
		Spray Irrigation	
		Other	