



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

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

October 7, 2010

Re: Vinton County
Lake Hope State Park
WWTP Inspections
Correspondence (PWW)

Mr. Randy Zeisler, Manager
Lake Hope State Park
27331 State Route 278
McArthur, Ohio 45651

Dear Mr. Zeisler:

On September 29, 2010, I met with Mark Little to discuss violations at Lake Hope State Park's three wastewater treatment plants (WWTP). At that time, we also performed inspections. The inspections were performed in order to determine compliance with NPDES Permits OPP00066*DD (Lodge Hill Plant), OPP00067*CD (Old Hill Cabin Plant), OPP00073*CD (Beach Plant) and ORC Chapter 6111. The results of the inspections are listed below by each individual treatment plant.

Old Hill Cabins Plant, NPDES No. OPP00067*CD:

The plant is overloaded with sludge. This is apparent from the deep color of the aeration basin and the standing water on the filters. Mark has attempted to reduce the ammonia violations by adding post aeration. The effluent was clear.

Lodge Hill Plant, NPDES OPP00066*DD:

The plant is overloaded with sludge. This is apparent from the deep color of the aeration basin and growth of plants on the sand filters. The plant is getting very little air though Mark has replaced one blower. The other blower should be replaced or a lot more sludge will have to be removed to compensate. A sand filter has collapsed so it is no longer being used. Effluent was clear.

Spillway (Beach) Plant, NPDES OPP00073*CD:

The plant is operated seasonally. The plant will be shut down within the next couple of weeks. This plant had a few violations related to flooding of the effluent line. Mark and Greg Masterson have replaced the electrical components at the plant in order to have it function throughout this season. This plant will be replaced before the beach area is opened in the spring.

Summary:

Sludge needs to be hauled from the Lodge Plant and the Old Hill Cabins Plant. The Lodge Plant needs one blower replaced, otherwise the wastes are not going to be degraded enough, hence more sludge will need to be hauled. The Old Hill Cabins Plant needs to have the standing water in the sand filter pumped back to the plant, so the filters can be cleaned. Otherwise they might overflow. The new sewage system and plant should be functional in May 2011, however, let's not let these plant disintegrate prior to the new plant coming online.

Please develop a budget to include operational costs of these plants and the new plant. You should include equipment maintenance, a schedule to pump out solids and an operation budget.

Permit limit violations have decreased since my last inspection in October of 2009. Between October 2009 and September 2010, there have been approximately 64 violations at the three plants. Before my last inspections there were approximately 243 permit limit violations between October of 2009 and January of 2007 at the Old Hill Cabins, Lodge, and Beach WWTP. Part III of the NPDES permits requires a response in writing for each violation. Since Mark Little has overseen the plant he has provided me a written explanation for each violation each month.

I have attached copies of the inspection reports. Some of the areas were given unsatisfactory ratings due to the issues mentioned above. Within 30 days of receipt of this letter please provide a written response outlining how operations at Lake Hope Wastewater Treatment Plants will improve. This response should address each of the preceding comments/recommendations. Please call me if you have any questions at (740) 380-5266.

Sincerely,



Cynthia Yandrich
District Representative
Division of Surface Water

CY/dh

Enclosures

c: Greg Masterson, ODNR

**NPDES
Reconnaissance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPP00067*CD	OH0090981	September 29, 2010	R	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Lake Hope State Old Hill Cabins WWTP South of Cabin Area on Cabin Ridge Brown Township, Vinton County	10:19 a.m.	July 1, 2007
	Exit Time	Permit Expiration Date
	10:40 a.m.	June 30, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Randy Zeisler, Manager	(740) 596-4938
Name, Address and Title of Responsible Official	Phone Number
Mark Little, Operator Lake Hope State Park 27331 State Route 278 McArthur, Ohio 45651	(740) 596-4938

C. AREAS EVALUATED DURING INSPECTION

<u> </u> S Permit	<u> </u> S Flow Measurement	<u> </u> NA Pretreatment
<u> </u> S Records/Reports	<u> </u> N Laboratory	<u> </u> NA Compliance Schedules
<u> </u> U Operations & Maintenance	<u> </u> S Effluent/Receiving Waters	<u> </u> S Self-Monitoring Program
<u> </u> M Facility Site Review	<u> </u> U Sludge Storage/Disposal	<u> </u> Other
<u> </u> S Collection System		

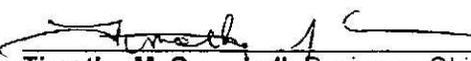
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

See attached letter.


 Cynthia Yandrich, Inspector, Ohio EPA, Southeast District Office

10-8-10
 Date


 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

10/12/10
 Date



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

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

October 7, 2010

Re: Vinton County
Lake Hope State Park
WWTP Inspections
Correspondence (PWW)

Mr. Randy Zeisler, Manager
Lake Hope State Park
27331 State Route 278
McArthur, Ohio 45651

Dear Mr. Zeisler:

On September 29, 2010, I met with Mark Little to discuss violations at Lake Hope State Park's three wastewater treatment plants (WWTP). At that time, we also performed inspections. The inspections were performed in order to determine compliance with NPDES Permits 0PP00066*DD (Lodge Hill Plant), 0PP00067*CD (Old Hill Cabin Plant), 0PP00073*CD (Beach Plant) and ORC Chapter 6111. The results of the inspections are listed below by each individual treatment plant.

Old Hill Cabins Plant, NPDES No. 0PP00067*CD:

The plant is overloaded with sludge. This is apparent from the deep color of the aeration basin and the standing water on the filters. Mark has attempted to reduce the ammonia violations by adding post aeration. The effluent was clear.

Lodge Hill Plant, NPDES 0PP00066*DD:

The plant is overloaded with sludge. This is apparent from the deep color of the aeration basin and growth of plants on the sand filters. The plant is getting very little air though Mark has replaced one blower. The other blower should be replaced or a lot more sludge will have to be removed to compensate. A sand filter has collapsed so it is no longer being used. Effluent was clear.

Spillway (Beach) Plant, NPDES 0PP00073*CD:

The plant is operated seasonally. The plant will be shut down within the next couple of weeks. This plant had a few violations related to flooding of the effluent line. Mark and Greg Masterson have replaced the electrical components at the plant in order to have it function throughout this season. This plant will be replaced before the beach area is opened in the spring.

Summary:

Sludge needs to be hauled from the Lodge Plant and the Old Hill Cabins Plant. The Lodge Plant needs one blower replaced, otherwise the wastes are not going to be degraded enough, hence more sludge will need to be hauled. The Old Hill Cabins Plant needs to have the standing water in the sand filter pumped back to the plant, so the filters can be cleaned. Otherwise they might overflow. The new sewage system and plant should be functional in May 2011, however, let's not let these plant disintegrate prior to the new plant coming online.

Please develop a budget to include operational costs of these plants and the new plant. You should include equipment maintenance, a schedule to pump out solids and an *operation budget*.

Permit limit violations have decreased since my last inspection in October of 2009. Between October 2009 and September 2010, there have been approximately 64 violations at the three plants. Before my last inspections there were approximately 243 permit limit violations between October of 2009 and January of 2007 at the Old Hill Cabins, Lodge, and Beach WWTP. Part III of the NPDES permits requires a response in writing for each violation. Since Mark Little has overseen the plant he has provided me a written explanation for each violation each month.

I have attached copies of the inspection reports. Some of the areas were given unsatisfactory ratings due to the issues mentioned above. Within 30 days of receipt of this letter please provide a written response outlining how operations at Lake Hope Wastewater Treatment Plants will improve. This response should address each of the preceding comments/recommendations. Please call me if you have any questions at (740) 380-5266.

Sincerely,


Cynthia Yandrich
District Representative
Division of Surface Water

CY/dh

Enclosures

c: Greg Masterson, ODNR

**NPDES
Reconnaissance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPP00073*DD	OH0091367	September 29, 2010	R	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Lake Hope State Park Beach WWTP State Route 278. 0.1 mile west of dam Brown Township, Vinton County	10:56 a.m.	July 1, 2007
	Exit Time	Permit Expiration Date
	10:40 a.m.	June 30, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Randy Zeisler, Manager	(740) 596-4938
Name, Address and Title of Responsible Official	Phone Number
Mark Little, Operator Lake Hope State Park 27331 State Route 278 McArthur, Ohio 45651	(740) 596-4938

C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>N/A</u> Flow Measurement	<u>N/A</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>N/A</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u> </u> Other
<u>N</u> Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

See attached letter.



 Cynthia Yandrich, Inspector, Ohio EPA, Southeast District Office

10-8-10

 Date



 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

10/8/10

 Date