



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

June 12, 2013

Garry and Peggy Meyers
Le-O-Na Falls Mobile Home Park
8122 State Route 55 West
Ludlow Falls, Ohio 45339

**RE: Le-O-Na Falls Mobile Home Park Reconnaissance Inspection
NPDES Permit No. 1PV00123*AD / OH0133698**

Dear Mr. and Mrs. Meyers:

On June 5, 2013, Joe Miller, Joe Reynolds and I inspected the wastewater treatment works at the above-mentioned location. The primary observation was that the former lagoon has been abandoned and closed. This location is now mulched. Also, it was evident that upgrades had been completed and appeared to be consistent with the permit-to-install that had been previously issued to Le-O-Na Falls Mobile Home Park by Ohio EPA. The upgraded plant appeared to be functioning properly at the time of inspection.

Denitrification appears to be occurring in the clarifier, as evidenced by the floating balls of sludge at the water surface. However, no solids were observed flowing over the weir of the clarifier. The following items were noted as requiring additional action:

1. Establishment of vegetation. Two areas require the establishment of a vegetative cover to prevent migration of soil into waterways. The first area is the former lagoon area. Although mulched, no vegetation was observed. The other was the area to the east of the former lagoon. This area was not mulched and no vegetation had yet been established. Please provide a means in which a good vegetative cover can be established.
2. The surface water conveyance from the discharge to the unnamed tributary of Ludlow Creek. No controls are provided to minimize the potential for erosive action to cause the migration of soil within this drainage course. Please install control measures within this swale that will prevent soil migration. Also, prior to entry into the unnamed tributary, the discharged water is tending to pond (standing water). This condition may lead to conditions conducive to mosquito breeding. It is recommended that water flow be improved through this channel segment to minimize the potential for a mosquito breeding area.

3. Fencing around the wastewater treatment plant. The fencing around the wastewater facility was incomplete. It was evident that this appears to be in progress. Please complete this fencing installation.
4. The North Surface Sandfilter. Erosion (rutting and rilling) was present on the surface of the sand within this filter. Please smooth this sand surface via raking.
5. Surface Sandfilter Pump Station. A brick was covering a four-inch diameter hole in the top of this pump station. It is suspected that this penetration is to be utilized for a vent for the pump station. Please note that the vent typically resembles an upside down J and may be fabricated from PVC pipe.

Please provide a written response to Items 1, 2, 3 and 5, that includes a projected time of completion for these items. This response should be received by this office by July 15, 2013. If you have any questions, please feel free to email me at glen.vonderembse@epa.ohio.gov or call (937) 285-6033. Thank you.

Sincerely,



Glen Vonderembse, PE
Environmental Engineer II
Division of Surface Water

GV/tb



State of Ohio Environmental Protection Agency
Southwest District Office

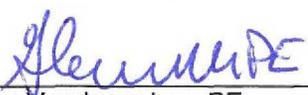
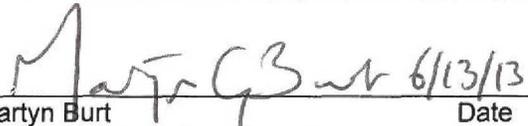
NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PV00123*AD	OH0133698	6/5/2013	R	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Le-O-Na Falls Mobile Home Park 8112 State Route 55 West Ludlow Falls, OH 45339	9:30 am	June 1, 2003
	Exit Time	Permit Expiration Date
	10:05	May 31, 2008
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
No Representatives Present	---	
Name, Address and Title of Responsible Official	Phone Number	
Garry and Peggy Meyers Owners 8112 State Route 55 West Ludlow Falls, OH 45339	(937) 698.3368	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
N	Permit	N	Flow Measurement	N	Pretreatment
N	Records/Reports	N	Laboratory	N	Compliance Schedule
M	Operations & Maintenance	S	Effluent/Receiving Waters	N	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)
See Attached

Inspector	Reviewer
 Date: 6/12/2013	 Date: 6/13/13
Glen Vonderembse, PE Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Summary of Findings

The previous lagoon was found to be abandoned and filled. A package aeration system with surface sandfilters and ultraviolet disinfection was found to be functioning, in lieu of the former lagoon. The location of the former lagoon was found to be mulched with straw. See Photo 1.



Photo 1 – Former Lagoon Location

The package aeration system and subsequent treatment components were inspected. Photo 2 provides a view of the north surface sandfilter, aeration tank with blowers, and surface sandfilter lift station. The blowers for the aeration tank were found to be operating at the time of inspection. The odor was noted as being earthy (which is indicative of proper aeration tank function). The color of waters being treated was brown in the aeration tank. The clarifier portion of the package system was observed. Water flowing over the weir was clear. Indications of denitrification were present in the clarifier. This was evidenced by the presence of floating sludge masses in the clarifier. Typically, denitrification occurs due to an "old" sludge age. A reduction in the age of sludge age is typically accomplished by increasing the frequency of wasting sludge (i.e. - sending sludge to the recently installed sludge holding tank). This is the reason for the Marginal rating on Operations & Maintenance. The sludge holding tank was observed. Some sludge was noted within this tank. See Photo 4.

The surface sandfilter lift station was observed and found to be operational. The distribution box for these sandfilter was observed. An upturned PVC elbow was present on the outlet of the south filter. This filter was being rested, as evidenced by the upturned discharge pipe. The surface sandfilters were observed (north and south). The north filter was set up as the active filter. The sand surface of

each filter was free of vegetation. However, it was noted that rilling and rivulets existed on the north sand surface in each filter. The south (resting) filter did not have these features. See Photo 7.

The Ultraviolet (UV) disinfection unit was observed, as well as, the sampling chamber (See Photos 8 and 9). Both units were in very good physical condition. No evidence of solids carryover was noted in either of these locations. The UV unit was noted as being electrically connected.

Photo 10 is a view of the discharge. The swale downstream requires stabilization to prevent the migration of soil due to the action of flowing water. Also, at the bottom of the slope, this swale becomes non-defined, allowing the water to spread out and create a ponding situation, prior to flowing into the unnamed tributary of Ludlow Creek. Please note this condition may create an environment that allows mosquito's to breed, possibly leading to a mosquito nuisance situation (See Photo 11).

The fencing around the treatment plant was in-progress and requires completion. Also, areas east of the former lagoon had been recently re-graded. This area requires seeding and mulching to establish a vegetative stand to minimize any soil erosion potential. (See Photo 12)



Photo 2 – Package Aeration, North Surface Sandfilter, Surface Sandfilter Lift Station



Photo 3 – Clarifier Compartment - Note Denitrication "balls," below (as oriented in this picture) the weir.



Photo 4 – Sludge Holding Tank

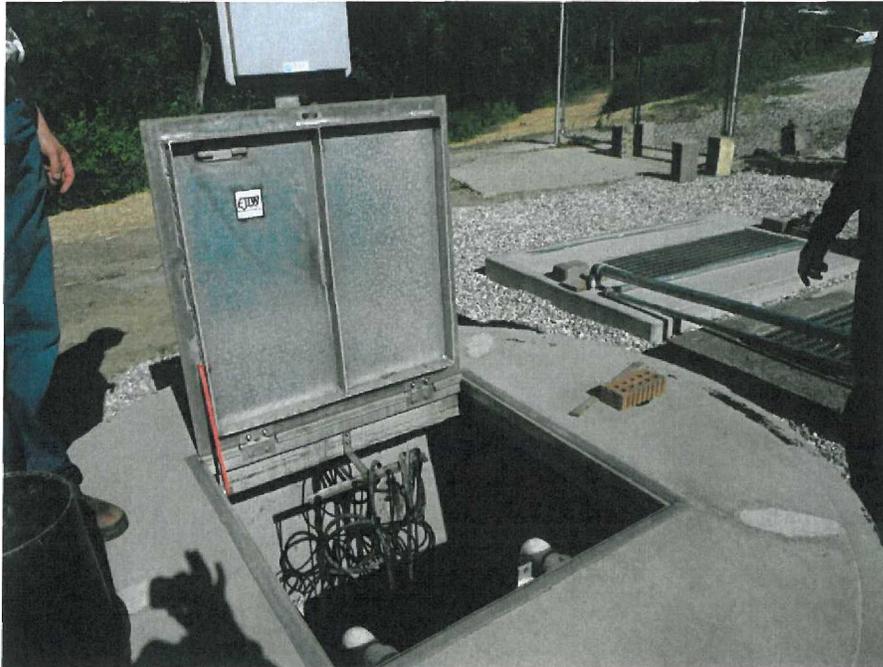


Photo 5 – Surface Sandfilter Lift Station

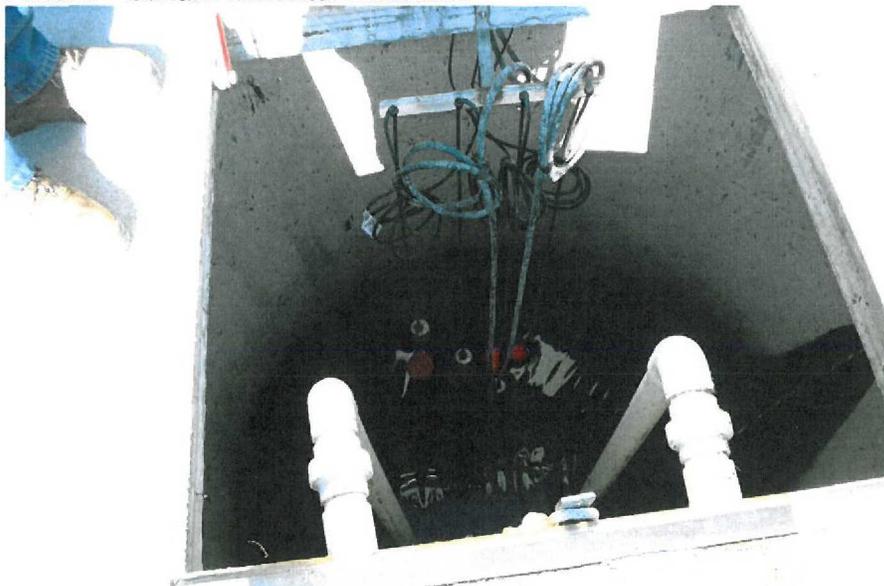


Photo 6 – Surface Sandfilter Lift Station internal view.

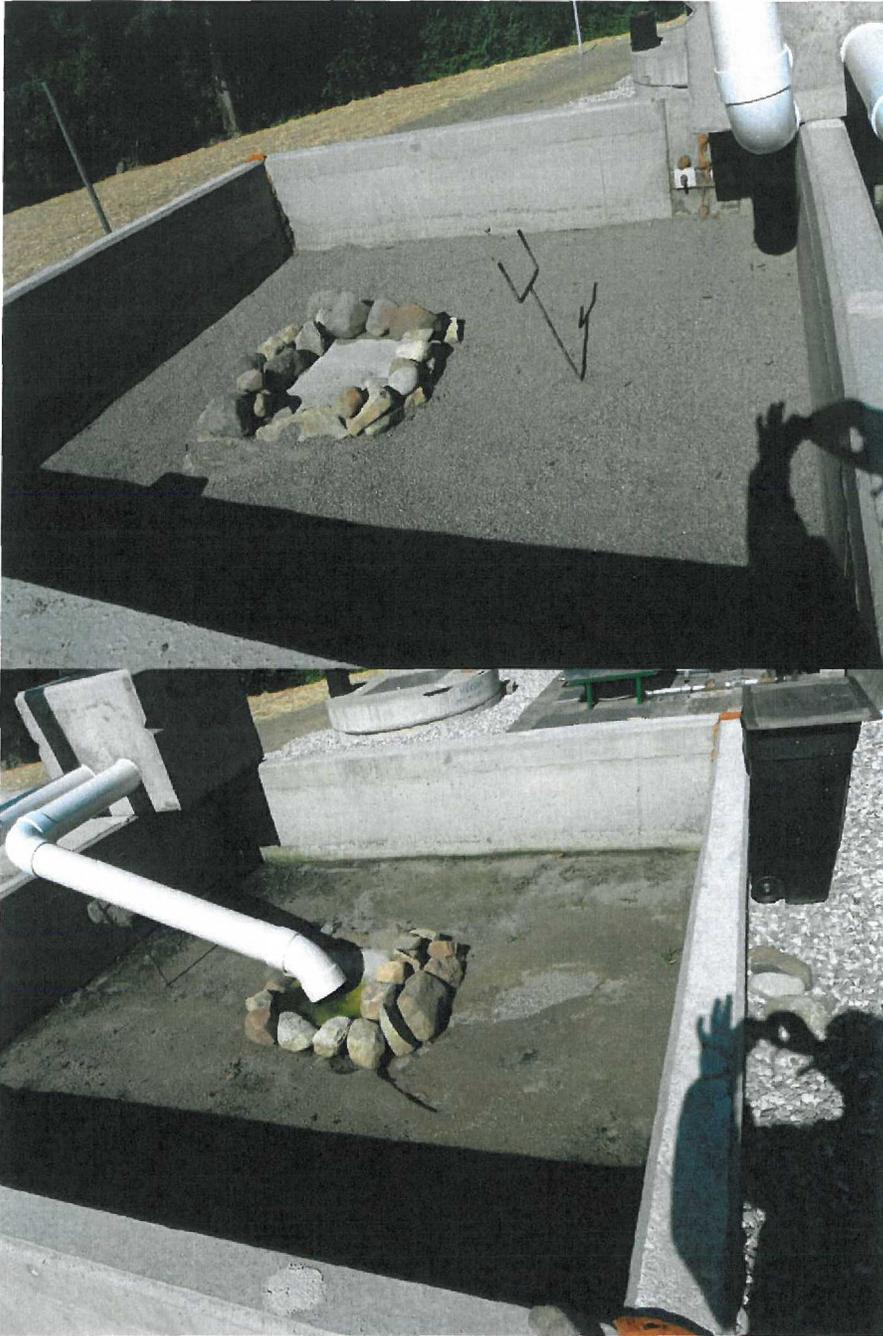


Photo 7 – Upper Picture: South Surface Sandfilter Lower: North Surface Sandfilter



Photo 8 – Ultraviolet Disinfection Unit

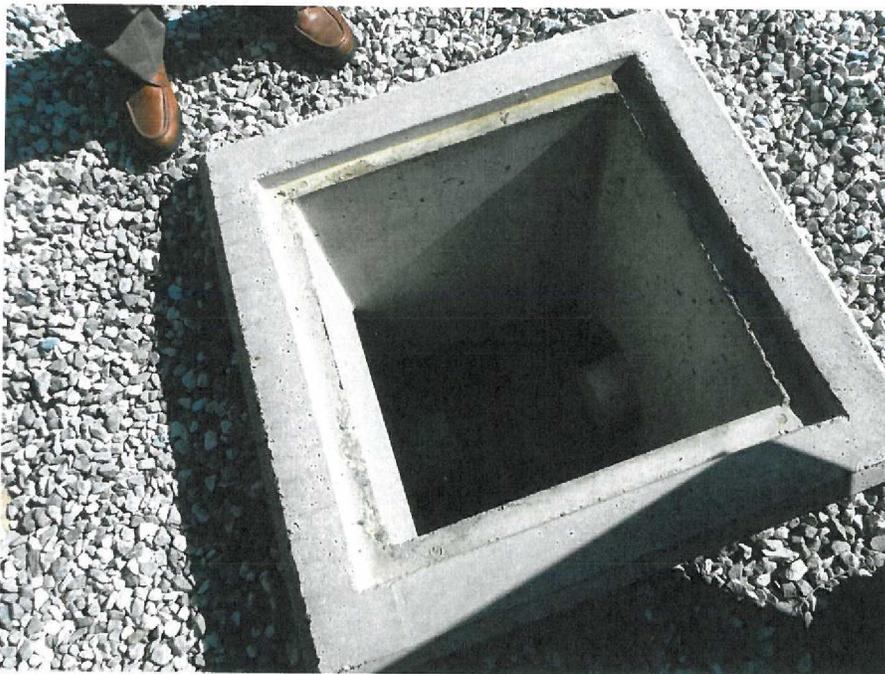


Photo 9 – Sampling Chamber

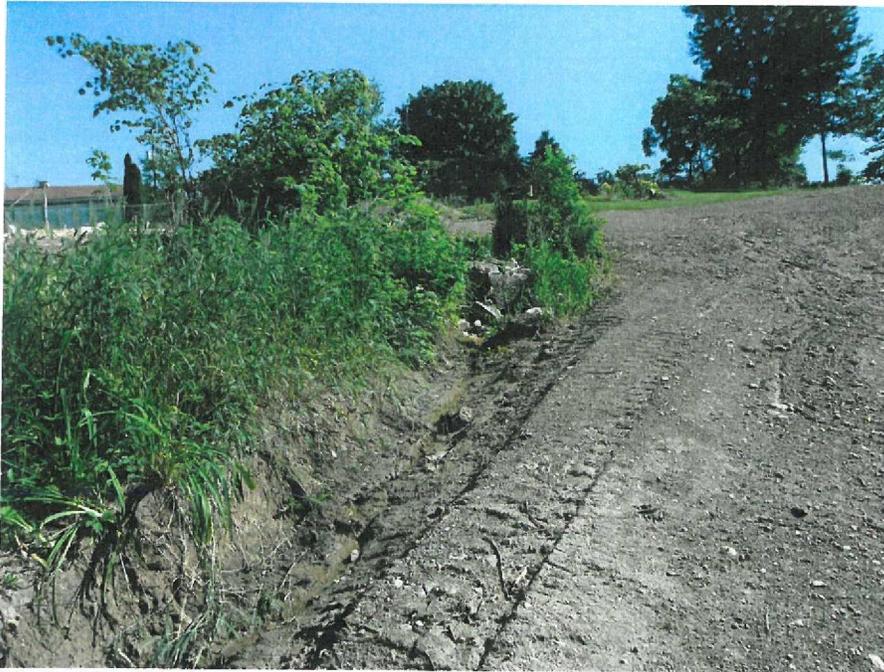


Photo 10 – Discharge and Associated Surface Water Conveyance (Swale)



Photo 11- Ponding water prior to entry into an unnamed tributary of Ludlow Creek.



Photo 12 – Graded Area East of Former Lagoon.