



**Environmental
Protection Agency**

John Kasich, Governor
Mike DeWine, Lt. Governor
Gregory B. Kelly, Director

May 29, 2012

RE: LAKE COUNTY
PAINESVILLE TOWNSHIP
SPRING LAKE MOBILE HOME PARK
NPDES PERMIT NO. 3PV00120
APPLICATION NUMBER OH0134694

Helen Bales
Spring Lake Mobile Home Park
11 Huntington Road
Painesville, OH 44077

Dear Mrs. Bales:

On May 22, 2012, this writer conducted a compliance evaluation inspection of the wastewater treatment plant (WWTP) that serves the above referenced facility. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit.

WWTP Observations

- The content of the flow equalization tank was being aerated, as required.
- The aeration plant was in operation. The aeration tank wastewater was light brown in color. The return sludge was light brown in color.
- The condition of the filter distribution box is poor. The filter bed distribution box was leaking excessively at the pipe entrance to the box. Excessive leaking was occurring at the distribution arms leaving the distribution box. The cement grout was cracked and leaking. The use of flexible, watertight gaskets is recommended. The concrete distribution box was leaking at the bottom. The concrete has crumbled. Immediate steps must be taken to repair the distribution box and the associated piping.
- Both filter beds were ponded with sludge and vegetation (See attached the photographs). Once the filter beds drain, any vegetation, algae, sludge and sludge laden sand must be removed and replaced with clean, Ohio EPA approved sand. Assurances must be made that 18 inches of Ohio EPA approved sand exists on the surface of the bed. Ohio EPA approved sand has an effective size of 0.4-1.0 mm and a uniformity coefficient that is no greater than three. The sand on both beds must be raked and distributed evenly across the surface area of the filter beds.
- The chlorine contact chamber contained sludge. Sludge in the chlorine contact chamber can contribute to ammonia nitrogen effluent limitation violations. The sludge must be immediately removed from this unit.
- The chlorinator contained chlorine tablets as required. However, this writer could not reach the dechlorinator to ascertain the presence of sulfite tablets. This writer recommends the addition of an extension arm on the dechlorinator.
- The operation and maintenance log book was located adjacent to the flow equalization tank and contained the required information.

The above referenced deficiencies must be corrected immediately.



Spring Lake MHP 05.12 001



Spring Lake MHP 05.12 002



Spring Lake MHP 05.12 003



Spring Lake MHP 05.12 004

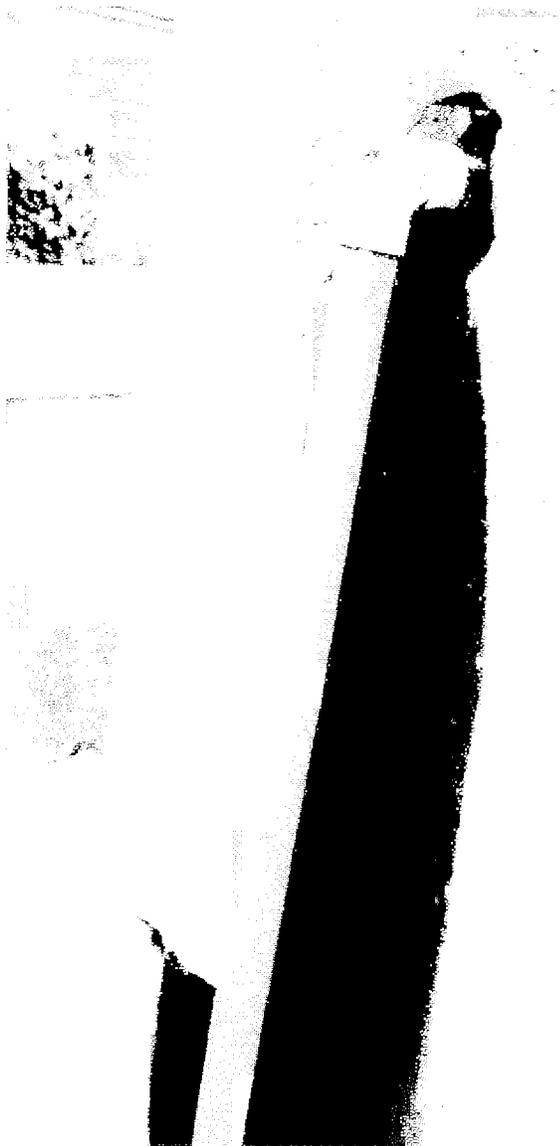


Spring Lake MHP 05.12 005



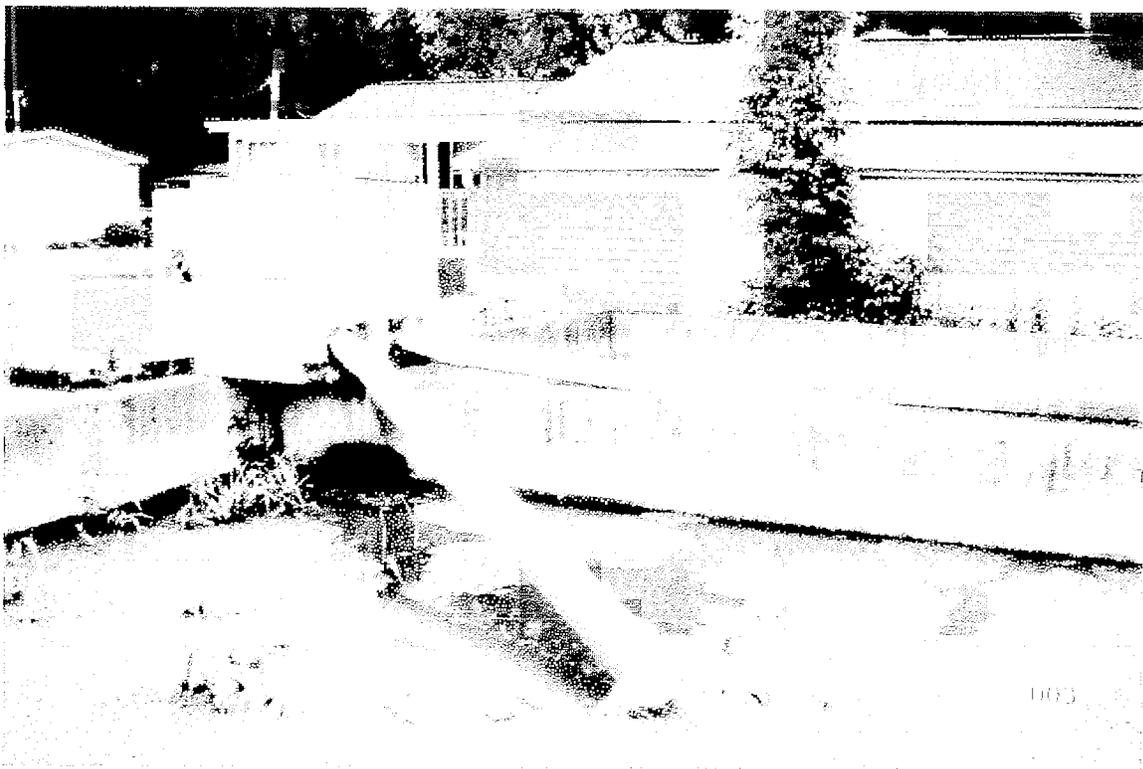
Spring Lake MHP 05.12 006

- Photograph 001 Distribution box pipe entrance. Cement grout crumbling.
- Photograph 002 Distribution box pipe entrance. Cement grout cracked and leaking.
- Photograph 003 Filter bed ponded with sludge, algae, and vegetation. Cement grout crumbling and leaking at distribution arms.
- Photograph 004 Filter bed ponded with sludge, algae and vegetation.
- Photograph 005 Filter bed ponded with sludge, algae and vegetation.
- Photograph 006 Distribution box. Cement crumbling at bottom.



001

002



003

