

**Environmental
Protection Agency**

**Governor
Lt. Governor
Director**

August 19, 2011

RE: SUMMIT COUNTY
CITY OF GREEN
MAYFIELD MOBILE HOME PARK
1909 E. TURKEYFOOT LAKE ROAD
OHIO EPA PERMIT NO. 3PV00111*BD
COMPLIANCE EVALUATION INSPECTION

Mr. David Cook
Mayfield Park LLC
1826 S. Main Street
Akron, OH 44301

Dear Mr. Cook:

On August 9, 2011, a Compliance Evaluation Inspection (CEI) was conducted at the wastewater treatment plant (WWTP) serving Mayfield Mobile Home Park. According to our files, the existing wastewater treatment plant was to consist of two trash traps, a 9000 gpd extended aeration plant, and a chlorinator. No chlorinator was seen during the inspection, and it's understood from your wastewater operator that there is no chlorinator present. The treatment plant discharges to a drainage ditch tributary to the Tuscarawas River.

During the recent inspection, the wastewater treatment plant was running, but appeared to be in poor condition. The following deficiencies with possible remedies were noted:

1. The mixed liquor in the aeration tank was light in color, rather than the appropriate chocolate brown. The return lines were also light in color. Perhaps the sludge return line is not returning enough solids to the aeration tank.
2. The clarifier was full of floating sludge and contained lots of solids. The inoperable skimmer shall be put back into operation, and the sides of the clarifier should be gently scraped down in order to help the sludge return line.
3. Concrete, towards the center of the plant, appeared to be falling apart; this concrete should be repaired as soon as possible.

Upon review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the plant from August 2010 to August 2011, the following effluent violations were noted:

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2010	Total Suspended Solids	30D Conc	12	46.	8/1/2010
August 2010	Total Suspended Solids	7D Conc	18	46.	8/1/2010
August 2010	Total Suspended Solids	30D Qty	0.41	.69644	8/1/2010

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Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2010	Total Suspended Solids	7D Qty	0.61	.69644	8/1/2010
August 2010	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.17	8/1/2010
August 2010	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.17	8/1/2010
August 2010	Nitrogen, Ammonia (NH3)	30D Qty	0.03	.06313	8/1/2010
August 2010	Nitrogen, Ammonia (NH3)	7D Qty	0.05	.06313	8/1/2010
August 2010	CBOD 5 day	30D Conc	10	27.	8/1/2010
August 2010	CBOD 5 day	7D Conc	15	27.	8/1/2010
August 2010	CBOD 5 day	30D Qty	0.34	.40878	8/1/2010
December 2010	Total Suspended Solids	30D Conc	12	20.	12/1/2010
December 2010	CBOD 5 day	30D Conc	10	13.	12/1/2010
December 2010	Total Suspended Solids	7D Conc	18	20.	12/22/2010
March 2011	Total Suspended Solids	30D Conc	12	40.	3/1/2011
March 2011	Total Suspended Solids	7D Conc	18	40.	3/1/2011
March 2011	Total Suspended Solids	30D Qty	0.41	.6056	3/1/2011
March 2011	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.	3/1/2011
March 2011	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.	3/1/2011
March 2011	Nitrogen, Ammonia (NH3)	30D Qty	0.10	.10598	3/1/2011
March 2011	CBOD 5 day	30D Conc	10	47.	3/1/2011
March 2011	CBOD 5 day	7D Conc	15	47.	3/1/2011
March 2011	CBOD 5 day	30D Qty	0.34	.71158	3/1/2011
March 2011	CBOD 5 day	7D Qty	0.51	.71158	3/1/2011
June 2011	Fecal Coliform	30D Conc	1000	2700.	6/1/2011
June 2011	Fecal Coliform	1D Conc	2000	2700.	6/8/2011

Please be advised such instances of noncompliance are subject to enforcement pursuant to ORC 6111.

Your previous NPDES Permit (3PV00111*AD) contained a Compliance Schedule to construct a treatment plant upgrade to bring your plant up to today's standards. This Compliance Schedule required the installation of an equalization tank, dosing chamber with elapsed time meters, surface sand filters, chlorination/dechlorination tank and aerated sludge holding tank. Back in 2007, this office had decided that because the plant was meeting its effluent limitations, the plant upgrade wouldn't be required at that time. But, since your plant is currently experiencing many effluent violations, it appears the upgrade is still needed.

The chlorination/dechlorination tank shall be installed as soon as possible. This office could consider giving you approximately two years to install the remainder of the upgrade. Four sets of detail plans of the chlorination/dechlorination tank must be prepared and stamped by a Professional Engineer and submitted to this office along with the permit-to-install (PTI) application forms. The detail plans will be forwarded to

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the Director's Office with our recommendations. The Plan Approval Procedures must be followed. All fees, applications, and data sheets must be completed and included with the submission of detail plans before the plans can be processed for approval.

Please respond in writing to this office by September 1, 2011, with your intentions regarding making improvements to your plant, improving operations and maintenance at the plant, and coming into compliance with your NPDES permit. If you have any questions, please contact this office at (330) 963-1151.

Sincerely,

A handwritten signature in cursive script that reads "Bill Zander for".

Jennifer S. Bennage
Environmental Engineer
Division of Surface Water

JSB/mt

Enclosures

cc: Brent Paulus, Summit County Health Dept.