



Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

June 6, 2019

Tennis King, Owner
Sundial MHP STU 1
15091 Portage St. Office
Doylestown, OH 44230

Re: **Sundial MHP STU 1
Inspection
Inspection
NPDES
Wayne County
3PV00121**

Subject: Ohio Environmental Protection Agency NPDES Inspection

Dear Mr. King:

Thank you for accompanying me during Ohio EPA's June 4, 2019, inspection of Sundial MHP wastewater treatment plant located in Doylestown, Ohio. The purpose of the inspection was to evaluate compliance with the terms and conditions of your National Pollutant Discharge Elimination System (NPDES) permit and to evaluate the operation and maintenance of the plant.

Ohio EPA records indicate the WWTP was installed in 1964, and later expanded in 1970. The WWTP serves a 61-lot mobile home park and consists of a 2,500-gallon trash trap; a 5,000-gallon and 15,000-gallon extended aeration package plant in series; a 2,900-gallon dosing chamber; a 1,925 square foot surface sand filter; and chlorination/dechlorination tank.

Findings:

- 1) The aeration tanks were being aerated, and contents of the tanks were brown in color. The return sludge line was operating. The blower/motor unit was on a timer. You indicated that the timer and plant operations were assessed and set up in coordination with Ohio EPA compliance and assistance unit.
- 2) Contents of the settling tank were clear, and the skimmer was operating, returning clear liquid to the aeration tank. The settling tank effluent trough appeared clear with a little pin flock. There was no buildup of solids behind the settling tank influent baffle.
- 3) Dosing pumps were operating, and elapsed time meters are installed on the pumps.
- 4) The filter sand appeared in satisfactory condition.

- 5) Disinfection was active in the contact tank. Both chlorine tablets and dichlorination tablets were present in the unit.
- 6) The Ohio EPA Certified Operator of Record (ORC) certificate was present in the logbook and up to date. Tennis King, (Limited Class A Wastewater Operator), is the one licensed operator for the Sundial Mobile Home Park WWTP. Logbooks were being maintained and up to date.

Recommendations:

The recommendation(s) set out below are not Orders. The recommendations are offered by Ohio EPA in an effort to provide compliance assistance to your facility.

1. The sign at the outfall was missing. You indicated that you would replace the sign.

If you have any questions or comments concerning the enclosed inspection report, please contact me at (330) 963-1255 or by email at Todd.Surrena@epa.ohio.gov.

Sincerely,



Todd Surrena
Geologist
Compliance and Enforcement
Ohio EPA Division of Surface Water

TS:cla

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING						
Permit #	NPDES #	Inspection Type	Sig. Non-Compliance	Inspection Date	Entry Time	Exit Time
OH0136671	3PV00121	CEI	No	6/4/2019		

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Sundial MHP STU 1	3/1/2014
	Permit Expiration Date
	2/28/2019
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Tennis King	
Name and Title of Responsible Official	Phone Number
Tennis King, Owner	(330) 658-7264

SECTION C: AREAS EVALUATED DURING INSPECTION		
Evaluated? Y-Yes; N-No	Area Evaluated	Recommendations noted in report? Y – Yes; N – No; N/A – Not Applicable
y	E. NPDES Compliance	n
y	F. Operations & Maintenance	n
y	G. Operator Certification	n
n	H. Collection System	n
y	I. Sludge Management	n
n	J. Storm Water	n
y	K. Self-Monitoring Program	n
n	L. Laboratory	n
y	M. Effluent / Receiving Water Observations	y

Compliance Data for Sundial MHP STU 1 between 1/1/2015 and 5/31/2019

Summary

Permit Effluent Limit Violations: 25
 Permit Effluent Code Events: 0
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Milestones Not Entered: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2015	001	E. coli	30D Conc	161	321.	6/1/2015
August 2015	001	E. coli	30D Conc	161	436.	8/1/2015
August 2015	001	E. coli	7D Conc	362	436.	8/15/2015
September 2015	001	E. coli	30D Conc	161	178.	9/1/2015
August 2016	001	E. coli	30D Conc	161	400.	8/1/2016
August 2016	001	E. coli	7D Conc	362	400.	8/1/2016
May 2017	001	Total Suspended Solids	30D Qty	0.909	106.176	5/1/2017
May 2017	001	Total Suspended Solids	7D Qty	1.37	106.176	5/22/2017
July 2017	001	E. coli	30D Conc	161	490.	7/1/2017
July 2017	001	Total Suspended Solids	30D Conc	12	14.	7/1/2017
July 2017	001	E. coli	7D Conc	362	490.	7/15/2017
September 2017	001	CBOD 5 day	30D Conc	10	19.	9/1/2017
September 2017	001	E. coli	30D Conc	161	220.	9/1/2017
September 2017	001	CBOD 5 day	7D Qty	1.14	28.0468	9/1/2017
September 2017	001	CBOD 5 day	30D Qty	0.757	28.0468	9/1/2017
September 2017	001	CBOD 5 day	7D Conc	15	19.	9/1/2017
September 2017	001	Total Suspended Solids	30D Qty	0.909	5.9046	9/1/2017
September 2017	001	Total Suspended Solids	7D Qty	1.37	5.9046	9/1/2017
September 2017	001	Nitrogen, Ammonia (NH3)	30D Qty	0.0757	.13285	9/1/2017
September 2017	001	Nitrogen, Ammonia (NH3)	7D Qty	0.114	.13285	9/1/2017
October 2017	001	CBOD 5 day	30D Conc	10	90.	10/1/2017
October 2017	001	CBOD 5 day	30D Qty	0.757	1.32854	10/1/2017
October 2017	001	CBOD 5 day	7D Conc	15	90.	10/22/2017
October 2017	001	CBOD 5 day	7D Qty	1.14	1.32854	10/22/2017
March 2019	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.43	3/1/2019

High Flow Data for Sundial MHP STU 1 between 1/1/2015 and 5/31/2019

Top 10 Flows	
Date	Flows (MGD)
5/24/2017	4.007
9/5/2017	0.390
9/22/2017	0.390
9/17/2017	0.390
9/10/2017	0.390
9/9/2017	0.390
9/6/2017	0.390
9/1/2017	0.380
9/29/2017	0.380
9/2/2017	0.380
Average	0.017

SECTION E: COMPLIANCE

See previous page for more compliance information.

	Yes	No	N/A
a. NPDES renewal application submitted 180 days prior to expiration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Permittee has a compliance schedule	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Document containing compliance schedule	Choose an item.		
d. Permittee is meeting compliance schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Any bypasses since last inspection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Regulatory agency notified of all bypasses	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Permittee or representative reporting all noncompliance per Part III of NPDES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION F: OPERATION AND MAINTENANCE

	Yes	No
Any operational problems due to influent quality or quantity Since the last inspection?		x

Preliminary Treatment

Type of Preliminary Treatment?	Trash Trap	
	Yes	No
Does the unit require pumping or cleaning?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maintenance of preliminary treatment is satisfactory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Aeration

Color of MLSS?	Medium Brown				
Thickness of Sludge	Medium				
Foam	None present				
Odor	No objectionable odor present				
	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Overall maintenance satisfactory?				<input checked="" type="checkbox"/>	<input type="checkbox"/>

Clarifiers

Clarity of water	Clear		
Effluent in weir	Clear		
		Yes	No
Weir is clean?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weir is in good condition (i.e., level, free of corrosion, etc.)?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is effluent present in weir channel?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the sludge blanket visible?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Do the clarifier walls need scraping?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is sludge settling properly?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall maintenance of the clarifier is satisfactory?		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Tertiary Treatment / Disinfection

	Yes	No		Yes	No
Surface sand filters:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface/Upflow	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall maintenance satisfactory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

SECTION G: OPERATOR CERTIFICATION

a. Wastewater Treatment Works Classification	A		
	Yes	No	N/A
b. Operator of Record holds unexpired license of class required by Permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Current Operator of Record form submitted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. Copy certificate(s) and renewal card(s) of all professional operators displayed on-site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
e. Minimum operator staffing requirements fulfilled (OAC 3745-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
f. If required (Class A or 1), are daily visits conducted by an owner's representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. If a Staffing Reduction plan has been approved, are the stipulations of the plan being met?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Professional Operator of Record log book provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
j. Log book location	onsite		

k. Logbook Format	Hardbound		
i. Has the professional Operator of Record(s) completed their electronic time submission (DMR or other option)?	yes		
m. Do the electronic time submissions match the logbook?	yes		
Log book contains the following:			
n. Identification of treatment works	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
o. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
p. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
q. Laboratory results (unless documented on bench sheets)	Bench Sheets		
r. Identification of person making entries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

SECTION H: COLLECTION SYSTEM

SECTION I: SLUDGE MANAGEMENT

Sludge is periodically wasted from what component?	Aeration tank		
Sludge disposal contractor?	hauled		
Sludge disposal location?	Permitted wwtp		
	Yes	No	
Does the WWTP have sludge drying beds?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Does the WWTP have a sludge holding tank?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the maintenance on the sludge handling unit adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

SECTION J: STORM WATER PROGRAM

SECTION K: SELF-MONITORING PROGRAM

Flow Measurement	Yes	No	N/A
a. How is the flow measured?	timer		
b. Actual flow discharged is measured?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Flow measurement equipment adequate to handle full range of flows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

