



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.ohio.gov

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

Re: Marion County
Verizon Inc.
NPDES Permit

December 14, 2009

Mr. Steve Ray
Verizon Inc.
1300 Columbus-Sandusky Road
Marion, Ohio 43302

Dear Mr. Ray:

On November 23, 2009, an operation and maintenance inspection was made of the wastewater treatment plant serving the Verizon Inc. The facility is located on the southeast corner of State Routes 309 and 98, in Claridon Township, Marion County. This inspection was conducted as part of your facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PR00115*BD.

At the time of the inspection, the treatment facility was in operation. The contents of the aeration tanks were brown with good roll. The final discharge from the plant was visually clear. However, we did not collect effluent samples to determine the water quality of the discharge during our visit.

Listed below are some of our recommendations to enhance the plant's operation:

- 1) Continue to maintain a licensed/certified wastewater operator.
- 2) Continue to check the trash trap and pump it out as necessary.
- 3) The mixed liquor in the aeration tank appeared brown and is an indicator of a fairly healthy microbial population. Continue the current rate of aeration to maintain that color.
- 4) The skimmers must be adjusted so that they just break the surface tension of the liquid in the final clarifiers.
- 6) The weirs of the final clarifiers should be cleaned and leveled so that a moderate amount of liquid passes evenly over the total length.

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7) Continue to check that the sludge returns are returning activated sludge to the aeration tanks. If no activated sludge is being returned to the aeration tanks, then gently scrape the sides of the final clarifiers all around the hoppers with slow, easy, downward motions, just enough to help move the sludge toward the bottom of the hopper. This procedure should be done once a week and will increase the solids being returned to the aeration tanks and help turn the color in the aeration tanks to a darker brown.

Our review of your discharge monitoring reports (1/1/2008 to 11/1/2009) for this facility indicated some effluent violations. Please refer to the enclosed violation table and share it with your operator of record. Our completed inspection form is enclosed for your review. Should you have any questions, please contact me at 419-373-3021.

Yours truly,

A handwritten signature in black ink, appearing to read "Jason Ko", is written over a long horizontal line that extends across the page.

Jason Ko
Division of Surface Water

/llr

Enclosures

pc: Marion County Health Department
DSW-NWDO.File_ 3

**OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION**

NPDES Permit No. 2PR00115

Facility Name: Verizon Inc Expiration Date: May 31, 2011
 Facility Address: 1300 Columbus-Sandusky Road Date: 11/23/2009 Time: 10:00 am
 City: Marion County: Marion Township: Claridon
 Name and Address of Owner: Verizon Inc, 1300 Columbus-Sandusky Road, Marion, Ohio
 Person Contacted: Larry Hanes - Operator Owner Phone: (419) 845-3549
 Flow Design: 18,000 GPD Present 7,000 GPD (estimated)
 Trib. Pop. 650 (estimated) Weather at time of inspection: Temp 45°F - cloudy
 OEPA Personnel: Jason Ko District: NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

Effect of effluent on Receiving Stream Name: Not Observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent X good _____ fair _____ poor operation
 b. Plant has _____ excellent X good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent X good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids underload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
	<u>X</u>	Chlorination Tablets
	<u>X</u>	Dechlorination Tablets
		U.V

- | | | | | | |
|-----|----------|-----------------------------------|---------------------|--------------------------------|----------------------------|
| Yes | No | | Yes | No | Parameters: |
| 4. | <u>X</u> | Compliance with NPDES Permit | Periodic Violations | <u>X</u> | <u>see violation table</u> |
| 5. | <u>X</u> | Adequate Plant Safety | Chronic Violation | | |
| 6. | <u>X</u> | Operation and Maintenance Service | Name : | <u>Hanes Environmental Inc</u> | |
| | | | Frequency of Visits | <u>3/week</u> | |

Facility Name: Verizon Inc

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/week
		Grease Trap	Pumping Frequency:...
		Bar Screen	
		Comminutor	
	1	Flow Equalization	Aerated
Aeration Equipment	2	Plant Timer <u>X</u> <u>Y</u> <u> </u> <u>N</u>	Cycle Time: ON 18 hours & OFF 6 hours
		Motor/ Blower Unit	
Secondary Treatment	3	Aeration Tank	Color: Brown; good roll Adequate Aeration: Y <u>X</u> N <u> </u>
Final Settling	1	Clarifier	w/ 2 hoppers
	2	Sludge Return	In <u>X</u> Out <u> </u>
	1	Surface Skimmer	In <u>X</u> Out <u> </u>
	2	Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection	OUT	Chlorine Tube Feeder	
	OUT	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	IN	Recorder (continuous total)	Water Meter
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	OUT	Aerated Storage Tank	1 unit
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	Haul to City of Marion
		Landfill	
		Land Application	
Advanced Treatment	IN	Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00115*BD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.94	3/1/2008
2PR00115*BD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	19.31	2/4/2009
2PR00115*BD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	19.31	2/1/2009
2PR00115*BD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.31	.9136	2/4/2009
2PR00115*BD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.20	.9136	2/1/2009
2PR00115*BD	December 2008	001	00530	Total Suspended Solids	1D Conc	18	21.	12/3/2008
2PR00115*BD	December 2008	001	00530	Total Suspended Solids	30D Conc	12	16.5	12/1/2008
2PR00115*BD	January 2009	001	00530	Total Suspended Solids	1D Conc	18	29.	1/6/2009
2PR00115*BD	January 2009	001	00530	Total Suspended Solids	30D Conc	12	23.	1/1/2009
2PR00115*BD	January 2009	001	00530	Total Suspended Solids	1D Qty	1.2	1.37206	1/6/2009
2PR00115*BD	January 2009	001	00530	Total Suspended Solids	30D Qty	0.82	1.08819	1/1/2009
2PR00115*BD	October 2009	001	00530	Total Suspended Solids	1D Conc	18	23.	10/6/2009
2PR00115*BD	October 2009	001	00530	Total Suspended Solids	30D Conc	12	23.	10/1/2009