



State of Ohio Environmental Protection Agency

Northwest District Office

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

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

Re: Marion County
General Mills
NPDES Permit

December 7, 2009

Mr. Rich Hollerauer
General Mills

4136 ~~Main Street~~ Martel Rd

~~Martel, Ohio 43335~~

Caledonia 43314

Dear Mr. Hollerauer:

On November 23, 2009, an operation and maintenance inspection was made of the wastewater treatment plant serving General Mills. The facility is located at 4136 Main Street, Martel, Marion County. This inspection was conducted as part of your facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2IH00106*DD.

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:

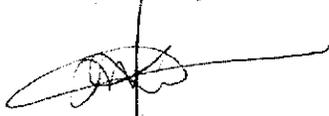
- 1) Continue to maintain a licensed/certified wastewater operator.
- 2) Continue to check the trash trap and pump it out as necessary.
- 3) The mixed liquor in the aeration tank appeared brown and is an indicator of a fairly healthy microbial population. Continue the current rate of aeration to maintain 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 a few 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,



Jason Ko
Division of Surface Water

/llr

Enclosures

pc: Marion County Health Department
DSW-NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION

NPDES Permit No. 2IH00106

Facility Name: General Mills Expiration Date: August 31, 2010

Facility Address: 4136 Main Street Date: 11/23/2009 Time: 11:00 am

City: Martel County: Marion Township: Tully

Name and Address of Owner: General Mills, 4136 Main Street, Martel, Ohio

Person Contacted: Rich Hollerauer (Env. Coordinator) & Larry Hanes (WW Operator) Owner Phone: (419) 845-3751

Flow Design: 15,000 GPD Present 7,000 GPD (estimated)

Trib. Pop. 220 (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 _____ good X 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
 _____ X Chlorination Tablets
 _____ X Dechlorination Tablets
 _____ _____ U.V

4. Yes No Compliance with NPDES Permit Periodic Violations X Yes No Parameters: see violation table
5. X _____ Adequate Plant Safety Chronic Violation _____
6. X _____ Operation and Maintenance Service Name : Hanes Environmental Inc

Frequency of Visits 3/week

Facility Name: General Mills

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	3	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 24 hours
		Motor/ Blower Unit	
Secondary Treatment	2	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	IN	Elapsed Pump Time	At raw pumps
		Recorder (continuous total)	
Pumps	2	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	

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Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2IH00106*DD	October 2008	001	31616	Fecal Coliform	1D Conc	2000	16100.	10/1/2008
2IH00106*DD	October 2008	001	31616	Fecal Coliform	30D Conc	1000	16100.	10/1/2008
2IH00106*DD	December 2008	001	00530	Total Suspended Solids	1D Conc	18	56.	12/3/2008
2IH00106*DD	December 2008	001	00530	Total Suspended Solids	30D Conc	12	33.5	12/1/2008