



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

Re: Erie County
Harrison Mfg., Inc.
NPDES No.21S00069

April 24, 2008

Mr. Walter Denham, Vice President
M.A. Harrison Mfg., Inc.
14307 S.R. 113
Birmingham, OH 44816

Dear Mr. Denham:

On April 9, 2008, a visit was made prior to beginning the renewal of your NPDES permit, which expires May 31, 2008. Mr. Dave Knowles, Plant Engineer was also present. We reviewed your renewal application, facility operations, and inspected the Beckhart process waste treatment system and sanitary wastewater treatment plant, which is also monitored by the permit. M.A. Harrison manufactures high precision bronze and aluminum parts. Following sand casting, parts are air cooled, then deburred and polished in a tumbler. Approximately 600 gpd of water based cleaner process wastewater is generated in the tumbler. The Beckhart is a "batch" operation treatment process which is operated approximately once every 10 days when 3000 gallons of wastewater is collected in the equalization tank.

Your current permit incorrectly includes loading limits on internal Outfall 601(Beckhart) based on 600 gallons per day instead of 3000 gallons per day. An NPDES permit modification was initiated in February 2007, but was not implemented due administrative error. We regret this inaction and the correct loading limits will be incorporated into the upcoming renewal. A review of semi-annual analysis since 2005 indicated compliance with the exception of one elevated copper reading in June 2006. The next sample was back within limits. Future results should be closely monitored.

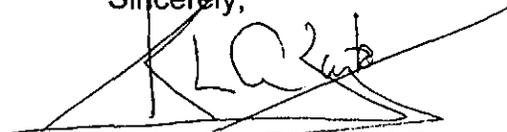
Both operation and maintenance of the sanitary package plant appeared good. A very clear final effluent was observed in the chlorine contact tank. Monthly operating reports indicate compliance with permit limitations, with exception of some periodic ammonia violations.

You will be receiving a "draft" copy of the renewal in the near future for your review. Please review it carefully, as you will have a 30-day period in which to comment. Once issued final, it will remain effective for another five year period.

Mr. Walter Denham V. Pres.
April 24, 2008
Page 2

If you have any questions, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "R. A. Zuzik", is written over a horizontal line. The signature is somewhat stylized and includes a small mark at the end that could be a flourish or a checkmark.

Richard A. Zuzik, MSE
Division of Surface Water

/csi

pc: Eastwood Environmental
(DSW, NWDO File ;

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

Facility Name M.A. Harrison Mfg. NPDES Permit No. 21500069
 Expiration Date 5-31-08
 Facility Address 19307 SR 113 Date 4-9-08 Time 10⁴⁵ (am) pm.
 City Birmingham County Crie Township Florence
 Name and Address of Owner Same
 Person Contacted Walt Denham, Dave Knowles Owner Phone (440) 965-4306
 Flow: Design 4000 GPD. Present _____ GPD. (metered - estimated)
 Trib. Pop. 50 (actual - estimated) Weather at time of inspection: Temp 50° Cloudy
 OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Hunters Ditch

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

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

d. Not operating at expected efficiency due to:

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

Disinfection: (Required May 1 thru Oct.31.)	
IN	OUT
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ Ultraviolet (U.V.)

N/A

Yes No

4. _____ Compliance with NPDES Permit

Periodic Violations Y _____ N _____ Parameters: Ammonia
 Chronic Violations _____

5. _____ Adequate plant safety

6. _____ Operation and Maintenance Service

Name Eastwood Environmental

Frequency of Visits 1/Week

Facility Name: M.A. Harrison

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	1	Flow Equalization	IN
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: Med Brown Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	Clear
	1	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	ONE Ponded - East Needs Switched, Well Kept
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	Clear
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	IN
		Spray Irrigation	
		Other	