



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: Hardin County
Durez Corporation
NPDES Permit

April 30, 2010

Mr. William H. Bazell, Plant Manager
Durez Corporation
13717 US Route 68 South
Kenton, Ohio 43326

Dear Mr. Bazell:

On April 26, 2010, a National Pollutant Discharge Elimination System (NPDES) permit Compliance/Sampling Inspection was conducted at Durez Corporation. Mr. Dale Miller and Mr. Chris Coak were present and provided information on wastewater treatment plant operation and maintenance. The inspection included a tour of the plant, completion of the enclosed inspection checklist and collection of a 24 hour composite sample to determine effluent toxicity and compliance with NPDES permit limits.

During our visit, all treatment units were in service. The effluent from the carbon towers was being diverted back to the equalization/dilution tanks. There was no discharge through outfalls 601 or 001. Discharge through outfalls 601 and 001 resumed approximately one hour after our inspection. Ohio EPA's sampling crew set up a sampler to collect a 24 hour composite sample to evaluate effluent toxicity and compliance with NPDES permit limits. A copy of the sampling results will be forwarded once they are received.

Since our last inspection, the molding compound manufacturing process has ceased operations. The molding compound portion of the plant has been dismantled. Mr. Miller stated that the well water discharge associated with the heat exchangers used in the molding compound unit was terminated in early December 2009.

Mr. Miller indicated that planning for the Taylor Creek Sediment Removal Project is progressing. He anticipated that the project will begin around mid-May. Please inform this office when the project starts so we can make arrangements to observe the work.

Mr. William H Bazell, Plant Manager
April 30, 2010
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Our completed inspection report is enclosed for your records. If you have any questions, please call Tom Poffenbarger at (419) 373-3008.

Sincerely,



Elizabeth A. Wick, P.E.
Water Quality Engineer/Unit Supervisor
Division of Surface Water

TP/ljr

Enclosure

~~Cpc: DSW:NWDG File~~

Permit #: 21F00002
 NPDES #: OH0006769



State of Ohio Environmental Protection Agency
 Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
21F00002	OH0006769	4/26/2010	S	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Durez Corporation 13717 US Route 68 South Kenton, Ohio 43326	9:30 AM	12/1/2008
	Exit Time	Permit Expiration Date
	11:00 AM	7/31/2011
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Marvin Dale Miller, Safety Manager Mr. Chris Coak, WWTP Operator	419-675-5393 419-675-5300	
Name, Address and Title of Responsible Official	Phone Number	
Mr. William H. Bazell, Plant Manager Durez Corporation 13717 US Route 68 South Kenton, Ohio 43326	419-675-5300	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	S	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
<p>During the inspection there was no discharge. Wastewater treatment plant effluent was being diverted back to the equalization basins. Effluent discharge from outfall 001 resumed approximately one hour after our inspection. Ohio EPA's sampling crew set up a sampler to collect a 24 hour composite sample to evaluate effluent toxicity and NPDES permit compliance.</p> <p>The molding compound manufacturing portion of the plant has ceased operations and has been dismantled.</p> <p>The well water discharge associated with the heat exchangers ended in December 2009.</p> <p>Taylor Creek sediment removal project is expected to begin in mid-May.</p>	
Inspector	Reviewer
<p><i>Thomas Poffenbarger</i> 4/28/10 Date</p> <p>Thomas Poffenbarger, P.E. District Engineer Division of Surface Water Northwest District Office</p>	<p><i>Elizabeth A. Wick</i> 4/29/10 Date</p> <p>Elizabeth A. Wick, P.E. Water Quality Engineer Division of Surface Water Northwest District Office</p>

Sections E thru K: Complete on all inspections as appropriate
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- (a) Correct name and mailing address of permittee Y
- (b) Correct name and location of receiving waters..... Y
- (c) Product(s) and production rates conform with permit application (Industries)..... Y
- (d) Flows and loadings conform with NPDES permit..... Y
- (e) Treatment processes are as described in permit application... Y
- (f) New treatment process(es) added since last inspection..... N
- (g) Notification given to State of new, different or increased discharges..... N/A
- (h) All discharges are permitted..... Y
- (i) Number and location of discharge points are as described in permit..... Y

Comments/Status:

Section F: Compliance Schedules/Violations

- (a) Any significant violations since the last inspection..... Y
- (b) Permittee is taking actions to resolve violations..... Y
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

(a) Dissolved oxygen - June 2009; total suspended solids - November 2009; Nitrogen, Ammonia - November 2009.
July 30, 2009 discharge to Taylor Creek resulting in black colored diposits on stream bottom, white scum on surface and fish kill.
August 3, 2009 discharge to Taylor Creek resulting in rust colored deposits on stream bottom.
November 18, 2009 discharge to Taylor Creek causing cloudy water with scum on surface.
November 30, 2009 discharge of 3-6 inch layer of solids on Taylor Creek bottom.
December 4, 2009, discharge of soilds from effluent tile to Taylor Creek.

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed N
- (b) Adequate alarm system available for power or equipment failures.. N
- (c) All treatment units in service other than backup units..... Y
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... NA
- (e) Operator of Record holds unexpired license of class required by permit..... N/A
 Class: I
- (f) Copy of certificate of Operator of Record displayed on-site..... N/A
- (g) Minimum operator staffing requirements fulfilled (OAC 3745-7)... N/A
- (h) Routine and preventative maintenance scheduled/performed... Y
- (i) Any major equipment breakdown since last inspection..... Y
- (j) Operation and maintenance manual provided and maintained.... Y
- (k) Any plant bypasses since last inspection..... N
- (l) Regulatory agency notified of bypasses..... N/A
 On MORs and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection..... Y

Record Keeping:

- (a) Log book provided..... N/A
- (b) Format of log book (i.e. computer log, hard bound book)
- (c) Log book(s) kept onsite (in an area protected from weather)..... N/A
- (d) Log book contains the following:
 - I. Identification of treatment works..... N/A
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... N/A
 - III. Daily record of operation and maintenance activities (including preventative maintenance, repairs and request for repairs)..... N/A
 - IV. Laboratory results (unless documented on bench sheets)... N/A
 - V. Identification of person making log entries..... N/A
- (d) Has the operator of record submitted written notification 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..... N/A

Section G: Operation & Maintenance (cont)

Collection System:

- (a) Percent combined system: %
- (b) Any collection system overflows since last inspection..... N/A
(CSO and/or SSO)
- (c) Regulatory agency notified of overflows (SSOs)..... N/A
- (d) CSO O&M plan provided and implemented..... N/A
- (e) CSOs monitored and reported in accordance with permit..... N/A
- (f) Portable pumps used to relieve system..... N/A
- (g) Lift station alarms provided and maintained..... N/A
- (h) Are lift stations equipped with permanent standby power
or equivalent..... N/A
- (i) Is there an inflow/infiltration problem (separate sewer system),
or were there any major repairs to collection system since
last inspection..... N/A
- (j) Any complaints received since last inspection of basement flooding N/A
- (k) Are any portions of the sewer system at or near capacity..... N/A

Comments/Status:

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... N/A
- (c) Sludge adequately disposed..... Y
(Method: Landfilled)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... Y
(Name: Allied Waste to Cherokee Landfill)
- (f) Has amount of sludge generated changed significantly since
last inspection..... Y
- (g) Adequate sludge storage provided at plant..... Y
- (h) Land application sites monitored and inspected per SMP..... N/A
- (i) Records kept in accordance with State and Federal law..... Y
- (j) Any complaints received in last year regarding sludge..... N
- (k) Is sludge adequately processed (digestion, pathogen control)..... Y

Comments/Status:

(f) Sludge generation has decreased.

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... Y
Type of device: Ultrasonic & Parshall flume Ultrasonic & Weir Weir
Calculated from influent Other (Specify:)
- (b) Calibration frequency adequate Y
(Date of last calibration: 4/6/2010)
- (c) Secondary instruments operated and maintained..... Y
- (d) Flow measurement equipment adequate to handle full range
of flows..... Y
- (e) Actual flow discharged is measured..... Y
- (f) Flow measuring equipment inspection frequency
 Daily Weekly monthly other

Comments/Status:

Section I: Self-Monitoring Program (cont)

Sampling:

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
- (d) Sample collection procedures are adequate..... Y
 - (i) Samples refrigerated during compositing..... Y
 - (ii) Proper preservation techniques used..... Y
 - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3..... Y
- (e) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e, continuous monitoring instrumentation, calibration and maintenance records)..... Y
- (f) Adequate records maintained of sampling date, time, location, etc.. Y

Laboratory:

General

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
 - (b) If alternate analytical procedures are used, proper approval has been obtained..... N/A
 - (c) Analyses being performed more frequently than required by permit. Y
 - (d) If (c) is yes, are results in permittee's self-monitoring report..... Y
 - (e) Commercial laboratory used..... Y
- Parameters analyzed by commercial lab:
everything except temperature, pH and dissolved oxygen.

Lab name: Alloway

Quality Control/Quality Assurance

- (f) Quality assurance manual provided and maintained..... N
- (g) Satisfactory calibration and maintenance of instruments/equipment. Y
- (h) Adequate records maintained..... Y
- (i) Results of latest USEPA quality assurance performance sampling program: Satisfactory Marginal Unsatisfactory

Date:

Comments/Status:

Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	No Discharge						

Comments/Status:

Effluent was being diverted to equalization during inspection. Discharge resumed approximately one hour after our inspection. Ohio EPA's sampling crew collected a 24 hour composite sample to determine effluent toxicity and compliance with permit limits.

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

If any of the above are observed, ask the following questions:

- (1) What is the cause of the condition?
- (2) Is the observed condition or source a waste product?
- (3) Where is the suspected contaminant normally disposed?
- (4) Is this disposal permitted?
- (5) How long has the condition existed and when did it begin?

Comments/Status: