



John R. Kasich, Governor  
Mike Taylor, Lt. Governor  
John P. Tally, Director

November 13, 2013

Mr. Don Hurd, EHS Leader  
Owens Corning Fiberglas Corporation  
2790 Columbus Road  
Granville, OH 43023

**Re: Owens Corning Fiberglas Corporation  
NPDES Permit 4IN00047/ OH0007161  
Compliance Evaluation Inspection  
Licking County**

Dear Mr. Hurd:

On October 31, 2012, a Compliance Evaluation Inspection was conducted at the Owens Corning Fiberglas Corporation. Present for the inspection were Don Hurd and Joe Hickman (among others) representing Owens Corning and myself of the Ohio EPA, Central District Office, Division of Surface Water.

The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant. The following items were discussed during the inspection.

- ❖ The WWTP consists of 4 ponds including equalization, aeration, settling and polishing. The ultraviolet disinfection system was placed between the settling and polishing ponds and not immediately before the final outfall. The facility has had problems complying with the effluent limits for *E. coli* bacteria due to an abundance of geese and exacerbated by this unconventional disinfection setup. The facility has taken measures to exclude geese from the polishing pond by fencing and a lattice-work of ropes. This seems to have been successful as bacterial violations have ceased since the installation of these measures.
- ❖ During the inspection a question arose about changing the sampling location for bacteria from the current permitted location to one just downstream of the disinfection system, but upstream of the polishing pond. Ohio EPA cannot allow this change as the permitted effluent limits must be met immediately prior to discharge to the stream.

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- ❖ The ultrasonic effluent flow meter has not been calibrated for an unknown period of time. The facility shall ensure that calibration of the flow meter is performed immediately with proof of calibration sent to Paul Vandermeer via e-mail by November 30, 2012.

Please see the attached report for additional details regarding the inspection. If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3854 or e-mail at [paul.vandermeer@epa.ohio.gov](mailto:paul.vandermeer@epa.ohio.gov).

Sincerely



Paul L. Vandermeer  
Environmental Specialist  
Compliance and Enforcement Unit  
Division of Surface Water  
Central District Office

EC: Paul L. Vandermeer

PLV/nsm Owens Corning Research

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4IN00047	OH0007161	CEI	S	2
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
10/31/2012	9:00 am	10:20 am	No	No

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Owens Corning Fiberglas Corporation 2790 Columbus Road Granville, OH 43023	2/1/2012
	Permit Expiration Date
	11/1/2017
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Cliff Merritt, Senior Principal Engineer Joe Hickman, Contract Operator	(740) 321-5702
Name and Title of Responsible Official	Phone Number
Don Hurd, EHS Leader	(740) 321-6132

SECTION C: AREAS EVALUATED DURING INSPECTION

Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated

M	NPDES Compliance	SNC for bacteria, also some problems with TSS.
S	Operations & Maintenance	
S	Facility Site Review	Goose exclusion measures seem to be working.
S	Collection System	
U	Flow Measurement	Calibration needed immediately
S	Receiving Waters	
S	Laboratory	

Comments:

Signatures

	11/1/12		11/1/12
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Mike Gallaway, Reviewer Section Manager Division of Surface Water Central District Office	Date

**Compliance Data for Owens Corning Fiberglas Corporation \* between  
2/1/2012 to 10/1/2012**

**Summary**

Permit Effluent Limit Violations: 6  
 Permit Effluent Code Violations: 0  
 Permit Effluent Frequency Violations: 0  
 Compliance Schedule Violations: 0

		Limit Violations				
Reporting Period (Month)	Permit	Parameter	Unit Type	Limit	Reported Value	Violation Date
March 2012	001	Total Suspended Solids	1D Qty	10.1	11.4659	7/17/2012
March 2012	001	Total Suspended Solids	1D Conc	18	25	3/20/2012
March 2012	001	Total Suspended Solids	1D Qty	10.1	12.2066	3/20/2012
May 2012	001	E. coli	7D Conc	362	2900	5/8/2012
July 2012	001	E. coli	7D Conc	362	528.204	7/8/2012
July 2012	001	Total Suspended Solids	1D Qty	10.1	10.4920	7/12/2012

**SECTION D: PERMIT VERIFICATION**

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

Comments:

**SECTION E: COMPLIANCE**

- (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) Permittee is meeting compliance schedule..... NA

Comments: *\*Current goose exclusion measures seem to be effective in limiting bacterial violations.*

**SECTION F: OPERATION AND MAINTENANCE**

- (a) Standby power available ..... Y  
If yes, what type? *Natural gas powered generator.*
- (b) Adequate alarm system available for power or equipment failures ..... Y
- (c) All treatment units in service other than backup units ..... Y
- (d) Wastewater Treatment Works classification ..... NA
- (e) Operator of Record holds unexpired license of class required by Permit.. Y  
Class held: III
- (f) Copy of certificate of Operator of Record displayed on-site ..... NA
- (g) Minimum operator staffing requirements fulfilled ..... Y
- (h) Routine and preventative maintenance scheduled and performed ..... Y
- (i) Any major equipment breakdown since last inspection ..... N
- (j) Operation and maintenance manual provided and maintained ..... Y
- (k) Any plant bypasses since last inspection ..... N
- (l) Regulatory agency notified of bypasses ..... NA  
By MOR  and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic or organic overloads since last inspection ..... NA

Comments:

**SECTION G: RECORD KEEPING**

- a) Log book provided ..... Y
- b) Format of log book ..... *book*
- c) Log book(s) kept onsite in an area protected from weather ..... Y
- d) Log book contains the following:
  - i) Identification of treatment works ..... Y
  - ii) Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7 ..... Y
  - iii) Daily record of operation and maintenance activities (including preventative maintenance, repairs and request for repairs) ..... Y
  - iv) Laboratory results (unless documented on bench sheets) ..... *bench*
  - v) Identification of person making log entries ..... Y
- e) Has the Operator of Record submitted written notification to the permittee, Ohio EPA and any applicable local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred? ... Y

Comments:

**SECTION H: COLLECTION SYSTEM**

- a) Percent combined system: ..... 0%
- b) Any collection system overflows since last inspection ..... N  
CSO  SSO

- c) Regulatory agency notified of overflows ..... NA
- d) CSO O&M plan provided and implemented ..... NA
- e) CSOs monitored and reported in accordance with permit..... NA
- f) Portable pumps are used to relieve system ..... N
- g) Lift station alarms provided and maintained ..... Y
- h) Lift stations equipped with permanent standby power or equivalent ..... Y
- i) Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection. .... Y\*
- j) Any complaints received since last inspection of basement flooding ..... NA
- k) Are any portions of the sewer system at or near capacity..... N
- l) Are operations changed during high-flow events? ..... Y^

Comments: \*Several broken sewer lines have been repaired reducing infiltration to the system. The facility shall continue to be proactive in limiting inflow and infiltration to the collection system. ^The valve between the equalization pond and aeration pond is adjusted during heavy precipitation events.

**SECTION I: SLUDGE MANAGEMENT**

- a) Sludge adequately disposed ..... Y  
Method: *Hauled to municipal WWTP for disposal.*
- b) If sludge is incinerated, where is ash disposed of ..... NA
- c) Is sludge disposal contracted ..... Y\*  
Name: *various*
- d) Has amount of sludge generated changed significantly ..... N
- e) Adequate sludge storage provided at plant ..... NA
- f) Records kept in accordance with State and Federal law ..... Y
- g) Any complaints received last year regarding sludge ..... N
- h) Is sludge adequately processed (digestion, pathogen control) ..... NA

Comments: \*Sludge disposal occurs very infrequently (<1/year).

**SECTION J: SELF-MONITORING PROGRAM**

- a) Primary flow measuring device operated and maintained ..... Y  
Type of device: *Ultrasonic* Device location: *Effluent building*
- b) Calibration frequency adequate ..... N  
Date of last calibration: *Unknown*
- c) Secondary instruments operated and maintained ..... NA
- d) Flow measurements equipment adequate to handle full range of flows .... Y
- e) Actual flow discharged is measured ..... Y
- f) Flow measuring equipment inspection frequency ..... Daily
- g) Sampling location(s) are as specified by permit ..... Y
- h) Parameters and sampling frequency agree with permit ..... Y

- i) 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

Comments: *The ISCO automatic sampler shall be equipped with a NIST calibrated thermometer to confirm the temperature of the refrigerated compartment containing the composite effluent sample. The facility shall confirm by e-mail to Paul Vandermeer that the thermometer has been purchased and is in use by November 30, 2012.*

**SECTION K: Laboratory**

- a) EPA applicable analytical testing procedures used (40 CFR 136.3)..... Y
- b) If alternate procedures are used, are they properly approved? ..... NA
- c) Analysis performed more frequency ..... Y  
If yes, are results recorded in permittee's report? ..... Y
- d) Commercial laboratory used:  
Name: *American Analytical Laboratory*  
Parameters analyzed: *all except pH, temperature, D.O.*
- e) Quality assurance manual provided and maintained ..... Y
- f) Calibration and maintenance of instruments is satisfactory? ..... Y\*

Comments: *\*3 point calibration of pH probe with pH 4.0, 7.0 and 10.0 standards is unnecessary if effluent pH values never fall below 7.0 S.U. A 2 point calibration with pH 7.0 and 10.0 standards is sufficient.*

**SECTION L: EFFLUENT/RECEIVING WATER OBSERVATIONS**

Outfall Number	Outfall sign in place	Oil Sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	NE	None	None	None	None	None	Clear	

Comments:

**SECTION M: 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

Comments: