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State of Ohio Environmental Protection Agency

STREET ADDRESS:

Central District Office

MAILING ADDRESS:

Lazarus Government Center  
50 W. Town St., Suite 700  
Columbus, Ohio 43215

TELE: (614) 728-3778 FAX: (614) 728-3898  
www.epa.state.oh.us

P.O. Box 1049  
Columbus, OH 43216-1049

**Certified Mail #91 7108 2133 3932 4450 3882**

July 10, 2008

Mr. Tom Smith, President  
DeLille Oxygen Company  
772 Marion Road  
Columbus, OH 43207

**Re: DeLille Oxygen Company  
NPDES permit: 4IF00010**

Dear Mr. Smith:

Attached is the Reconnaissance Inspection Report conducted by Ohio EPA for the DeLille Oxygen Company located at 772 Marion Road and operating under NPDES permit 4IF00010.

There are a few items in the Attachment section of the report which require a **written response**.

**Please respond in writing within 20 days** of the receipt of this letter/report.

Should you have any questions, please call me at (614) 728-3846.

Sincerely,



Larry Korecko  
Environmental Specialist  
Enforcement and Compliance  
Division Surface Water  
Central District Office

Enclosure

c: Rick Henderson

LK/nsm DeLille Oxygen 5-12-08

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

# NPDES COMPLIANCE INSPECTION REPORT

## Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Insp. Type	Inspector	Fac Type
4IF00010	OH0101915	08/05/12	R	S	2
<b>Watershed</b>	Scioto				

## Section B: Facility Data

<b>Facility Name:</b>	DeLille Oxygen Company	<b>Entry Time</b>	<b>Permit Eff. Date</b>
<b>Address:</b>	772 Marion Road		06/01/05
<b>City/State/Zip:</b>	Columbus, Ohio	<b>Exit Time</b>	<b>Permit Exp. Date</b>
			05/31/10

### On-Site Representatives Contract Operator-

Name: Rick Henderson  
 Title: Compliance Manager  
 Phone: 444-1177

### Responsible Official

Name/Title: Tom Smith, President  
 Address: 772 Marion Road, Columbus, Ohio 43207  
 Phone: 614-444-1177

## Section C: Areas Evaluated During Inspection:

(S=Satisfactory, U=Unsatisfactory, N=Not-Evaluated, Marginal)

Permit	S	Effluent/ Receiving Waters	S
Records/Reports	S	Sludge Storage/ Disposal	S*
Operations & Maintenance	M*	Pretreatment	N
Facility Site Review	M*	Compliance Schedules	N/A
Collection System	N/A	Self-Monitoring Program	S
Flow Measurement	S*	Other	
Laboratory	M*		

## Section D: Summary of Findings/Comments:

\* See Attachment

--O & M and facility site review rated "marginal" because need to determine where flow from hydrostatic testing flows into storm or sanitary and sewer grate needs cleaned up

--Commercial lab using wrong solvent for oil-grease test; also can a water meter be installed at faucet or hose in -001 building?

Name of Inspector: Larry Korecko Ohio EPA, Central District Office

Signature: *Larry Korecko* Date: 7-8-08

Name of Reviewer: Erin Sherer Ohio EPA, Central District Office

Signature: *E. Sherer* Date: 7-8-08

## ATTACHMENT

The DeLille Oxygen Company produces acetylene gas from calcium carbide and also recompresses oxygen, nitrogen, and argon gas. The NPDES permit covers the discharge of water used to spray any dust off the walls in the acetylene gas production room.

The calcium hydroxide by-product in the production of acetylene gas which is in a slurry form is stored in either two large silos or in two earthen pits whose walls have been built up 10 or 15 feet above ground level. During 2005-2006 these calcium hydroxide pits were cleaned out by Burch Hydro Company and used by the auto industry in treatment of industrial wastewater or spread on farm fields to alter the pH of the soil. On demand throughout the year, tanker trucks are filled by gravity flow from the silos and the calcium hydroxide used for the same purposes mentioned above.

Review of monthly self-monitoring reports for the period January 2006 through March 2008 revealed compliance with permit limits except for an oil-grease violation in April 2006 and a pH violation in August 2006. These violations are listed on an attached page.

**It was noted that the commercial laboratory Columbus Water and Chemical Testing Lab which you use to perform the oil-grease test is using a prohibited solvent i.e. Freon. The accepted test methodology now uses hexane. You should either use another lab or ask them to perform your oil-grease test using hexane. If that lab needs further guidance they can call the Ohio EPA Laboratory's quality assurance officer at 644-4232.**

The renewal NPDES permit effective June 1, 2005 required that a storm water pollution prevention plan be developed. This plan was developed. However, the plan did not indicate if the water from the hydrostatic test water from pressure testing gas cylinders flows into storm sewer or sanitary sewer. **You need to dye test this drain or have a plumber do so. Send the results to Ohio EPA. If this drain flows to storm sewer you will need to modify your NPDES permit. Attached is picture of drain in question. Note debris present.**

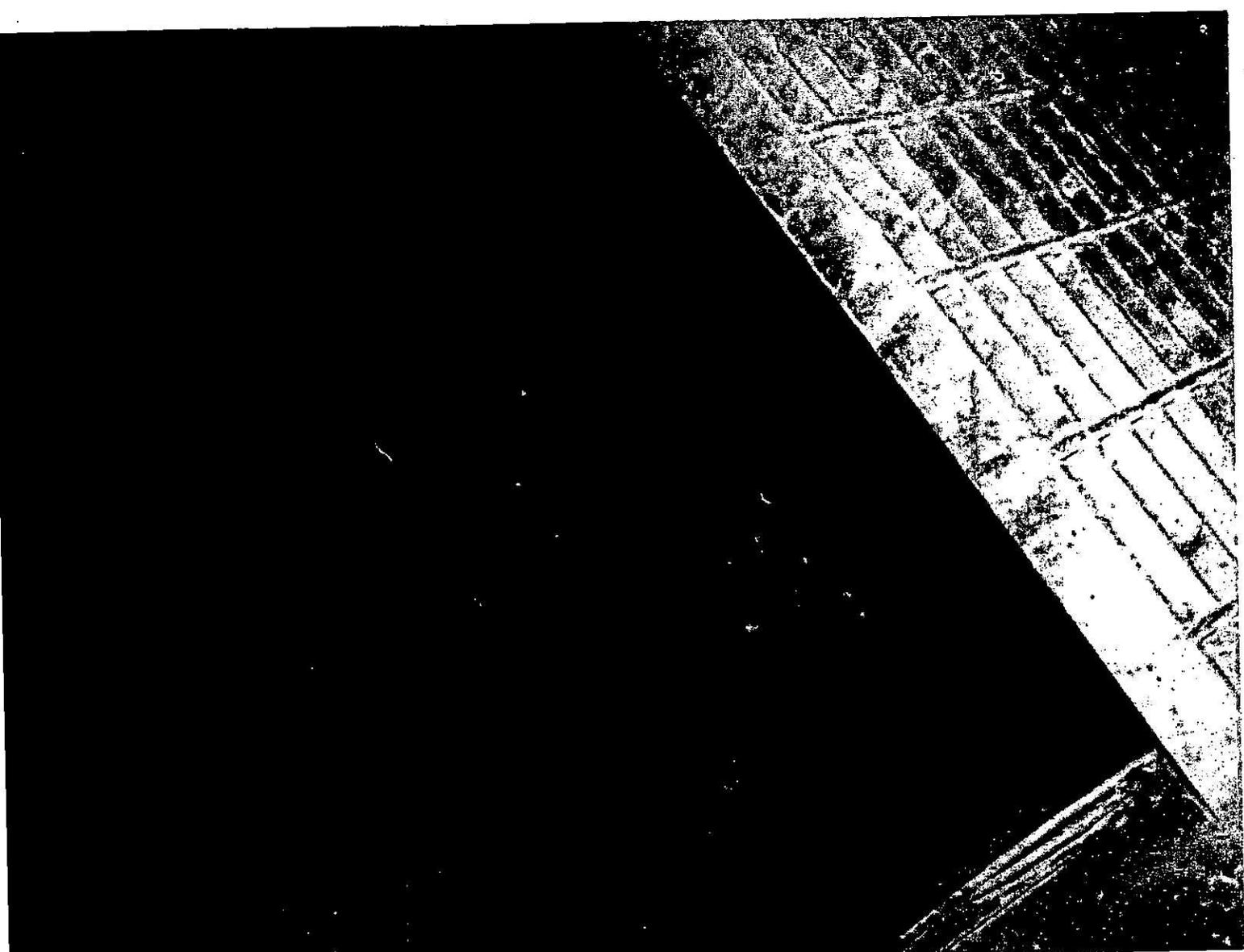
Flows are always estimated at 200 gallons per day for outfall -001. In a previous letter you indicated you believed this was a maximum value determined years ago. **Is it possible to put a water meter on the hose or faucet used to wash dust off the walls in the acetylene room? Please comment in writing.**

DELILLE OXYGEN

Get New Data

VIOLATIONS JANUARY 06 THROUGH MARCH 2008

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
41F00010*DD	April 2006	001	00550	Oil and Grease, Total	1D Conc	10	12.	4/11/2006
41F00010*DD	August 2006	001	00400	pH	1D Conc	9.0	9.4	8/31/2006



DELILLE OXYGEN - HYDROSTATIC TEST PIT SEWER GRATE 5-12-08