



State of Ohio Environmental Protection Agency

AGA GAS

Northeast District Office

2110 East Aurora Rd.  
Twinsburg, Ohio 44087

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

July 2, 2007

RE: AIRGAS INC.  
CANTON FACILITY  
3IN00286\*DX  
STARK COUNTY

Mr. Paul Keiffer  
Linde Gas LLC  
2505 Shepler Church Rd. SW  
Canton, OH 44706

Dear Mr. Keiffer:

On June 28, 2007, this writer conducted an inspection of your facility. The purpose of the inspection was to gather information necessary to renew the above referenced National Pollutant Discharge Elimination System (NPDES) permit. Airgas, Inc. produces Nitrogen, Oxygen and Argon gas. During the production process, ambient air is compressed via large air compressors to facilitate the separation process. The compressors are water cooled. Three cooling towers recycle the non-contact cooling water. Blowdown from the cooling towers comprises the discharge from outfalls 003 and 004. Non-contact cooling water and storm water are the only direct discharges to waters of the State. Biocides are used to control algae and scaling. Chlorine is used to control the algae. Due to the high residual chlorine in the cooling tower blowdown, sodium bisulfite is added to dechlorinate the blowdown prior to passing through the permitted outfalls. At the time of the inspection no obvious visual problems were noted with either outfall. Outfall 003 was flowing clear, while outfall 004 was not flowing. A review of your compliance history for the time period of September 2005 through May 2007 revealed the following violations as identified by our SWIMS tracking system:

Numeric Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
003	00400	pH	1D Conc	6.5	6.4	3/8/2007
003	00400	pH	1D Conc	6.5	6.26	4/26/2007
003	00400	pH	1D Conc	6.5	5.94	5/31/2007
003	50060	Chlorine, Total Residu	1D Conc	0.038	.06	9/21/2005
003	50060	Chlorine, Total Residu	30D Conc	0.019	.06	9/1/2005
003	50060	Chlorine, Total Residu	1D Qty	0.0091	.01226	9/21/2005
003	50060	Chlorine, Total Residu	30D Qty	0.0045	.01226	9/1/2005
003	50060	Chlorine, Total Residu	1D Conc	0.038	.07	11/28/2005
003	50060	Chlorine, Total Residu	30D Conc	0.019	.07	11/1/2005
003	50060	Chlorine, Total Residu	1D Qty	0.0091	.00954	11/28/2005
003	50060	Chlorine, Total Residu	30D Qty	0.0045	.00954	11/1/2005
004	50060	Chlorine, Total Residu	1D Conc	0.038	1.26	10/19/2005

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Station	Reporting		Limit		Reported	Violation
	Code	Parameter	Type	Limit	Value	Date
004	50060	Chlorine, Total Residu	30D Conc	0.019	1.26	10/1/2005
004	50060	Chlorine, Total Residu	1D Qty	0.0013	.08727	10/19/2005
004	50060	Chlorine, Total Residu	30D Qty	0.0006	.08727	10/1/2005
003	00400	pH	1D Conc	6.5	6.37	5/26/2006
004	00400	pH	1D Conc	6.5	6.42	5/26/2006
003	50060	Chlorine, Total Residu	1D Conc	0.038	.05	12/30/2005
003	50060	Chlorine, Total Residu	30D Conc	0.019	.05	12/1/2005
003	50060	Chlorine, Total Residu	30D Qty	0.0045	.00549	12/1/2005
004	50060	Chlorine, Total Residu	1D Conc	0.038	.08	12/30/2005
004	50060	Chlorine, Total Residu	30D Conc	0.019	.08	12/1/2005
004	50060	Chlorine, Total Residu	1D Qty	0.0013	.00379	12/30/2005
004	50060	Chlorine, Total Residu	30D Qty	0.0006	.00379	12/1/2005
003	00400	pH	1D Conc	6.5	6.31	7/28/2006
003	00400	pH	1D Conc	6.5	6.03	11/8/2006

Frequency Violations

Reporting Period	Station	Parameter	Sample Frequency	Expected	Reported
May 2006	003	Oil and Grease, Total	1/Quarter	1	0
August 2006	003	Oil and Grease, Total	1/Quarter	1	0
August 2006	004	Oil and Grease, Total	1/Quarter	1	0
October 2006	004	Chlorine, Total Residu	1/Month	1	0
November 2006	003	Oil and Grease, Total	1/Quarter	1	0
February 2007	004	Chlorine, Total Residu	1/Month	1	0

If you should have any questions concerning this letter, feel free to contact this writer at (330) 963-1136.

Sincerely,



Philip P. Rhodes  
 Environmental Engineer  
 Division of Surface Water

PPR/mt

File: Industrial Permit/Compliance