

February 11, 2003

Mr. Walter Fasold
PQ Corporation
7th Street and Missouri Avenue
Jeffersonville, IN 47130

Re: 019-16660
First Administrative Amendment to
Part 70 019-7718-00018

Dear Mr. Fasold:

PQ Corporation was issued a Part 70 permit on March 28, 2002, for a stationary sodium silicate and sodium aluminosilicate manufacturing facility. A letter requesting an administrative amendment was received on January 13, 2003. According to 326 IAC 2-7-11(a)(7), an administrative amendment can be used for a change that "revises descriptive information where the revision will not trigger a new applicable requirement or violate a permit term". 326 IAC 1-2-65 defines reconstruction as "an emission unit shall be considered to be reconstructed when the fixed capital cost of the new components exceed 50% of the fixed capital cost of a comparable entirely new emissions unit". In this case, the rebuild will cost approximately \$800,000.00, while the cost of a new furnace would be estimated at greater than \$1.6 million. The rebuilt cost compared to the total cost is less than 50%. Therefore, this is not a reconstruction. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows (using ~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.2 is amended as follows:

- (c) One (1) melting furnace with a maximum heat input capacity of 19.7 MMBtu per hour, fired by natural gas or fuel oil, and exhausting at stack S-1. The furnace is fired using natural gas, No. 2 fuel oil and No. 4 fuel oil. The furnace was constructed in 1938 and rebuilt in 1998 **and 2003**.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868

Sincerely,
Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

mm

cc: File - Clark County
U.S. EPA, Region V
Clark County Health Department
Air Compliance Section Inspector - Ray Schick
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

PQ Corporation
7th Street and Missouri Avenue
Jeffersonville, Indiana 47130

(Herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T019-7718-00018	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: March 28, 2002 Expiration Date: March 28, 2007

First Administrative Amendment No.: 019-16660	Pages Modified: 5
Issued by: Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: February 11, 2003

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary sodium silicate and sodium aluminosilicate manufacturing facility.

Responsible Official:	Walter Fasold
Source Address:	7 th Street and Missouri Avenue, Jeffersonville, Indiana 47130
Mailing Address:	P.O. Box 669, Jeffersonville, Indiana 47130
General Source Phone Number:	(812) 288-7186
SIC Code:	2819
County Location:	Clark
Source Location Status:	Nonattainment for ozone Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under Emission Offset Rules; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Two (2) fire tube boilers (SG-1001 and SG-1002), constructed in 1991, each rated at seventeen and five-tenths (17.5) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as S-2. The boilers are fired by natural gas, No. 2 fuel oil and No. 4 fuel oil.
- (b) One (1) natural gas-fired dryer, constructed in 1991, rated at ten (10) million British thermal units (MMBtu) per hour and exhausting through a baghouse separator at stack S-6. The dryer uses propane as a backup fuel. This dryer is an insignificant source when burning natural gas.
- (c) One (1) melting furnace with a maximum heat input capacity of 19.7 MMBtu per hour, fired by natural gas or fuel oil, and exhausting at stack S-1. The furnace is fired using natural gas, No. 2 fuel oil and No. 4 fuel oil. The furnace was constructed in 1938 and rebuilt in 1998 and 2003.
- (d) Material storage and handling facilities including:
 - (1) Aluminum trihydrate storage and transfer facilities consisting of one (1) pneumatic conveyor system equipped with a baghouse exhausting at stack S-3; one (1) 400 ton capacity storage silo equipped with a baghouse exhausting at stack S-4; and one (1) weigh bin with a maximum capacity of 12,580 pounds per hour equipped with a baghouse exhausting at stack S-5.