

Mr. Russell Parks
Delta Faucet Company
P. O. Box 47
Greensburg, Indiana 47240

Re: 031-15232
Notice-Only Change to
MSOP 031-11706-00007

Dear Mr. Parks:

Delta Faucet Company, located at 1425 West Main Street, Greensburg, Indiana was issued a Minor Source Operating Permit (MSOP) on May 25, 2000 for a stationary chrome faucet electroplating source. A letter notifying the Office of Air Quality of a change in the permit was received on January 15, 2002. The source proposes to install one (1) natural gas-fired curing oven with a maximum heat input capacity of 0.5 million British thermal units per hour (mmBtu/hr). Nitrogen Oxide (NO_x), which is the primary pollutant from this oven will be emitted at a rate of 0.219 ton per year (see the attached spreadsheet). Pursuant to 326 IAC 2-6.1-6(d)(2) the change qualifies as a "minor administrative change in descriptive information concerning the source or emission unit or units". Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows (changes are bolded and deletions are struck-through for emphasis):

- (1) Section A.2 of the issued MSOP will be revised to incorporate the new curing oven and be numbered as (u). Revision is as follows:

A.2 Emission Units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emission units and pollution control devices:

(a) through (t) No changes

- (u) **One (1) natural gas-fired drying oven, with a heat input capacity of 0.5 mmBtu/hr, capable of drying a maximum of 300 pounds of plastic parts per hour, in 1300 pounds of steel rack per hour, and exhausting at one (1) stack identified as 3559.**

There are no applicable requirements for the new drying oven. All conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter 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 Aida De Guzman at (800) 451-6027, press 0 and ask for Aida De Guzman or extension (3-4972), or dial (317) 233-4972.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

APD

cc: File - Decatur County
U.S. EPA, Region V
Decatur County Health Department
Air Compliance Section Inspector - D.J. Knotts
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

**CONSTRUCTION PERMIT
and MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR MANAGEMENT**

**Delta Faucet Company
1425 West Main Street
Greensburg, Indiana 47240**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, (326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 031-11706-00007	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:
First Minor Permit Revision: 031-12463, issued on December 19, 2000	
First Notice-Only Change: 031-15232	Pages Affected: 6
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:January 25, 2002

- (h) One (1) Brite Dip tank, identified as T14, equipped with a wet scrubber and exhausting at stack 1715.
- (i) Two (2) rack strip lines, identified as 255R and 255P, using sulfuric acid and nitric acid, respectively, and equipped with wet scrubbers and exhausting at stacks 255R and 255P, respectively.
- (j) Buffing operations, equipped with three (3) air washers, identified as 2125, 2490 and 3011, and exhausting at stacks 2126, 2491 and 3011, respectively.
- (k) Brazing operations, identified as 10200, exhausting at stacks 1183, 1873, 1874, 1212 and 1105, capacity: 10.3 pounds per hour of solder, 1,800 pounds per hour of brass or copper parts, and 5.72 million British thermal units per hour.
- (l) One (1) cure oven, identified as 569, fired by natural gas and exhausting at stacks 569 North and 569 South, capacity: 3.6 million British thermal units per hour.
- (m) One (1) natural gas fired fluidized bed burn-off oven, rated at 0.99 million British thermal units per hour (mmBtu/hr), with a maximum capacity of 301 pounds per hour of parts and 1.56 pounds per hour of sand, using a cyclone for particulate matter control, and exhausting at one (1) stack identified as 2918.
- (n) One (1) powder spray booth, identified as 1421, equipped with a baghouse and exhausting to stack 1421, capacity: 16 pounds of powder per hour and 1,000 pounds per hour of raw materials.
- (o) One (1) boiler, identified as 1854, constructed in 1993, fired by natural gas and exhausting at stack 1854, capacity: 2.10 million British thermal units per hour.
- (p) Two (2) boilers, identified as 1307 and 1308, constructed in 1987, fired by natural gas and exhausting at stack 1307/1308, capacity: 0.75 million British thermal units per hour, each.
- (q) One (1) boiler, identified as 586, constructed in 1975, fired by natural gas, exhausting at stack 586, capacity: 25.20 million British thermal units per hour.
- (r) One (1) boiler, identified as 1513, constructed in 1990, fired by natural gas, exhausting at stack 1513, capacity: 32.94 million British thermal units per hour.
- (s) One (1) boiler, identified as 2256, constructed in 1994, fired by natural gas, exhausting at stack 2256, capacity: 14.70 million British thermal units per hour.
- (t) One (1) decorative chromium electroplating tank, identified as T21, using a hexavalent chromium bath, equipped with a packed-bed scrubber, using a chemical fume suppressant containing a wetting agent for control and exhausting at stack 253Cr.
- (u) One (1) natural gas-fired drying oven, with a heat input capacity of 0.5 mmBtu/hr, capable of drying a maximum of 300 pounds of plastic parts per hour, in 1300 pounds of steel rack per hour, and exhausting at one (1) stack identified as 3559.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Small Industrial Boiler**

**Company Name: Delta Faucet Company
 Address City IN Zip: 1425 West main Street, Greensburg, IN 47240
 Notice-Only-Change: 031-15232
 Pit ID: 031-00007
 Reviewer: Aida De Guzman
 Date Application Received: January 15, 2002**

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
0.5	4.4
drying oven	

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Potential Emission in tons/yr	0.004	0.017	0.001	0.219	0.012	0.184

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).

See page 2 for HAPs emissions calculations.