



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: January 26, 2004
RE: International Fuel Systems / 081-19749-00041
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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January 26, 2005

Mr. Jeff Copeland
International Fuel Systems
2902 Enterprise Drive
Anderson, Indiana 46013

Re: 081-19749
First Notice-Only Change to
Registration 081-15817-00041

Dear Mr. Copeland:

International Fuel Systems was issued a Registration on September 4, 2002 for a diesel engine fuel systems remanufacturing source. A written request was received by the Office of Air Quality on October 18, 2004 to add three (3) blasters and six (6) degreasers. Pursuant to the provisions of 326 IAC 2-5.5-6(d)(12), the permit is hereby revised through a notice only change as follows: The permit language, if changed, has deleted language as ~~strikeouts~~ and new language **bolded**.

Note the addition of the requested facilities are at an aggregate exempt level as shown in the attached spreadsheets in Appendix A.

This existing source, after this revision, has the potential to emit less than Minor Source Operating Permit (MSOP) thresholds. Therefore, this source shall remain as a Registered source.

- (j) **Two (2) enclosed glass bead abrasive blasters, identified as ABS and Empire, each equipped with a baghouse, identified as ABS dust collector and Empire dust collector, exhausting inside the building, installed in 2003 and 2001, respectively , maximum capacity: 101.8 pounds of glass beads per hour and 94 pounds of parts per hour, total.**
- (k) **One (1) enclosed plastic abrasive blaster, identified as pedestal blaster, equipped with a baghouse, identified as pedestal blaster dust collector, exhausting inside the building, installed in December 2004, maximum capacity: 267 pounds of plastic beads per hour and 30 pounds of parts per hour.**
- (l) **Four (4) calibration fluid covered wash stations (cold cleaners), identified as Calibration Tank 1 through Calibration Tank 4, installed in 2001, maximum usage rate: 0.031 gallons of solvent per hour, each.**
- (m) **Two (2) agitating cold cleaners, identified as Safety Kleen Lifter Station and Safety Kleen Rexroth Station, installed in 2003, maximum usage rate: 0.106 gallons of solvent per hour, each.**

3. Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the **twelve (12)** ~~six (6)~~ cold cleaner parts washers without remote solvent reservoirs shall:
4. Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the **twelve (12)** ~~six (6)~~ cold cleaner parts washers, shall: (20%) of the waste solvent by weight could evaporate.
5. The owner or operator of the **twelve (12)** ~~six (6)~~ cold cleaner parts washers shall also comply with 326 IAC 8-3-2. Compliance with 326 IAC 8-3-5 shall also ensure compliance with 326 IAC 8-3-2.
6. Pursuant to 326 IAC 6-3-2(e)(1) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the one (1) enclosed shotblasting process, identified as Glass Bead Blaster, shall be limited to 0.864 pounds per hour, when operating at a process weight rate of 195.8 pounds per hour.
7. Pursuant to 326 IAC 6-3-2(e)(1) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the one (1) enclosed shotblaster, identified as Steel Blaster, shall be limited to 2.65 pounds per hour, when operating at a process weight rate of 1,042 pounds per hour.
8. **Pursuant to 326 IAC 6-3-2(e)(1) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the enclosed plastic abrasive blaster, identified as pedestal blaster, shall be limited to 1.14 pounds per hour, when operating at a process weight rate of 297 pounds per hour.**

The limitations in Conditions 6, 7 and ~~7~~ 8 are based on the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

89. In order to comply with Condition 6, the dust collector (B-1) for particulate control shall be in operation and control emissions from the one (1) enclosed shotblasting process, identified as Glass Bead Blaster, at all times that the one (1) enclosed shotblasting process, identified as Glass Bead Blaster, is in operation.
910. In order to comply with Condition 7, the dust collector (B-2) for particulate control shall be in operation and control emissions from the one (1) enclosed shotblaster, identified as Steel Blaster, at all times that the one (1) enclosed shotblaster, identified as Steel Blaster, is in operation.
11. **Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from the ABS blaster and the Empire blaster which have maximum process weight rates less than one hundred (100) pounds per hour shall not exceed 0.551 pounds per hour each.**

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire approval has been printed with the revised pages.

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 Frank P. Castelli, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 extension 13 or in Indiana at 1-800-451-6027 (ext. 631-691-3395).

Sincerely,

Original Signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
FPC/MES

cc: File - Johnson County
U.S. EPA, Region V
Johnson County Health Department
Air Compliance Section Inspector - Vaughn Ison
Compliance Branch
Administrative and Development Section
Technical Support and Modeling - Michelle Boner



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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January 26, 2005

Jeff Copeland
International Fuel Systems
2902 Enterprise Drive
Anderson, Indiana 46013

Re: 081-19749
First Notice Only Change to
R 081-15817-00041

Dear Mr. Copeland:

The application from International Fuel Systems, received on October 18, 2004, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5-6(d)(12), it has been determined that the addition of three (3) blasters and six (6) degreasers at the existing registered source located at 980 Hurricane Road, Franklin, Indiana 46131, is classified as a notice only change to the existing registration 081-15187.

Based on the data submitted and the provisions in 326 IAC 2-5.1-2, it has been determined that the following source is still classified as registered:

- (a) Nineteen (19) natural gas-fired unit heaters, using liquid propane gas as a backup fuel, maximum heat input capacity: 0.13 million British thermal units per hour, each.
- (b) Four (4) cold cleaner parts washers, constructed in 1999, using less than five percent (5%) halogenated solvents by weight, capacity: 1.7 gallons per day, total.
- (c) Welding operations, including one (1) metal inert gas (MIG) welding station with a maximum wire consumption rate of 0.01042 pounds per hour, one (1) tungsten inert gas (TIG) welding station with a maximum wire consumption rate of 0.03125 pounds per hour, and one (1) oxyacetylene welding station, with a maximum wire consumption rate of 0.00087 pounds per hour.
- (d) One (1) natural gas-fired pyrolysis cleaning furnace, identified as bake-off oven #1, with a maximum heat input capacity of 0.95 million British thermal units per hour, utilizing one (1) direct flame afterburner as an integral part of the furnace, rated at 0.75 million British thermal units per hour, and exhausting to stack E-38, capacity: 19 pounds of engine parts per hour.
- (e) One (1) natural gas-fired burn-off oven, identified as E39, with a maximum heat input capacity of 0.1 million British thermal units per hour, utilizing one (1) direct flame afterburner as an integral part of the oven, rated at 0.1 million British thermal units per hour, all exhausting through stack E-39, capacity: 76 pounds of engine parts per hour.
- (f) One (1) enclosed shotblasting process, identified as Glass Bead Blaster, consisting of two (2) hand blasters and two (2) auto blasters, equipped with a dust collector (B-1) and exhausting inside the building, capacity: 101.8 pounds of glass beads per hour and 94 pounds of parts per hour, total.
- (g) One (1) enclosed shotblaster, identified as Steel Blaster, equipped with a dust collector (B-2) and exhausting inside the building, capacity: 800 pounds of steel shot per hour and 242 pounds of parts per hour.

- (h) One (1) dyno diesel engine test stand, exhausting to stack D-1, capacity: 4.60 gallons per hour.
- (i) Two (2) cold cleaner parts washers, capacity: 1.7 gallons of Safety Kleen solvent per day, total.
- (j) Two (2) enclosed glass bead abrasive blasters, identified as ABS and Empire, each equipped with a baghouse, identified as ABS dust collector and Empire dust collector, exhausting inside the building, installed in 2003 and 2001, respectively, maximum capacity: 101.8 pounds of glass beads per hour and 94 pounds of parts per hour, total.
- (k) One (1) enclosed plastic abrasive blaster, identified as pedestal blaster, equipped with a baghouse, identified as pedestal blaster dust collector, exhausting inside the building, installed in December 2004, maximum capacity: 267 pounds of plastic beads per hour and 30 pounds of parts per hour.
- (l) Four (4) calibration fluid covered wash stations (cold cleaners), identified as Calibration Tank 1 through Calibration Tank 4, installed in 2001, maximum usage rate: 0.031 gallons of solvent per hour, each.
- (m) Two (2) agitating cold cleaners, identified as Safety Kleen Lifter Station and Safety Kleen Rexroth Station, installed in 2003, maximum usage rate: 0.106 gallons of solvent per hour, each.

The following conditions shall be applicable:

1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary alternative opacity limitations), opacity shall meet the following:
 - (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.
2. Any change or modification which may increase the potential to emit a combination of HAPs, PM, PM₁₀, VOC, SO₂, or NO_x to twenty five (25) tons per year, a single HAP to ten (10) tons per year, or CO to one hundred (100) tons per year from this source shall require approval from IDEM, OAQ prior to making the change.
3. Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the twelve (12) cold cleaner parts washers without remote solvent reservoirs shall:
 - (a) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (1) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit

- (100^{EF}));
- (2) The solvent is agitated; or
 - (3) The solvent is heated.
- (b) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{EC}) (one hundred degrees Fahrenheit (100^{EF})), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (c) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (d) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (e) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{EC}) (one hundred degrees Fahrenheit (100^{EF})), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{EC}) (one hundred twenty degrees Fahrenheit (120^{EF})):
- (1) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (2) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (3) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
4. Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the twelve (12) cold cleaner parts washers, shall:
- (a) Close the cover whenever articles are not being handled in the degreaser.
 - (b) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (c) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.
5. The owner or operator of the twelve (12) cold cleaner parts washers shall also comply with 326 IAC 8-3-2. Compliance with 326 IAC 8-3-5 shall also ensure compliance with 326 IAC 8-3-2.

6. Pursuant to 326 IAC 6-3-2(e)(1) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the one (1) enclosed shotblasting process, identified as Glass Bead Blaster, shall be limited to 0.864 pounds per hour, when operating at a process weight rate of 195.8 pounds per hour.
7. Pursuant to 326 IAC 6-3-2(e)(1) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the one (1) enclosed shotblaster, identified as Steel Blaster, shall be limited to 2.65 pounds per hour, when operating at a process weight rate of 1,042 pounds per hour.
8. Pursuant to 326 IAC 6-3-2(e)(1) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the enclosed plastic abrasive blaster, identified as pedestal blaster, shall be limited to 1.14 pounds per hour, when operating at a process weight rate of 297 pounds per hour.

The limitations in Conditions 6, 7 and 8 are based on the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

9. In order to comply with Condition 6, the dust collector (B-1) for particulate control shall be in operation and control emissions from the one (1) enclosed shotblasting process, identified as Glass Bead Blaster, at all times that the one (1) enclosed shotblasting process, identified as Glass Bead Blaster, is in operation.
10. In order to comply with Condition 7, the dust collector (B-2) for particulate control shall be in operation and control emissions from the one (1) enclosed shotblaster, identified as Steel Blaster, at all times that the one (1) enclosed shotblaster, identified as Steel Blaster, is in operation.
11. Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from the ABS blaster and the Empire blaster which have maximum process weight rates less than one hundred (100) pounds per hour shall not exceed 0.551 pounds per hour each.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Branch
Office of Air Quality
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

International Fuel Systems
Franklin, Indiana
Permit Reviewer: CAP/MES

First Notice Only Change
081-19749-00041
Modified By FPC/MES

Page 5 of 6
R 081-15817-00041

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original Signed by

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

FPC/MES

cc: File - Johnson County
Johnson County Health Department
Air Compliance - Vaughn Ison
Permit Tracking
Compliance Data Section

<h2>Registration</h2>

This form should be used to comply with the notification requirements under **326 IAC 2-5.1-2(f)(3)** or **326 IAC 2-5.5-4(a)(3)**

Company Name:	International Fuel Systems
Address:	980 Hurricane Road
City:	Franklin, Indiana 46131
Authorized individual:	Jeff Copeland
Phone #:	317-738-2540
Registration #:	081-15817-00041

I hereby certify that International Fuel Systems is still in operation and is in compliance with the requirements of Registration **081-15817-00041**.

Name (typed):
Title:
Signature:
Date:

Appendix A: Emission Calculations

Abrasive Blasting - Confined

Company Name: International Fuel Systems
 Address City IN Zip: 980 Hurricane Road, Franklin, Indiana 46131
 Notice Only Change Number: 081-19749
 Plt ID: 081-00041
 Reviewer: Frank P. Castelli
 Application Date: October 18, 2004

Table 1 - Emission Factors for Abrasives

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

Table 2 - Density of Abrasives (lb/ft3)

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

Adjusting Flow Rates for Different Abrasives and Nozzle Diameters

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =
 D = Density of abrasive (lb/ft3) From Table 2 =
 D1 = Density of sand (lb/ft3) =
 ID = Actual nozzle internal diameter (in) =
 ID1 = Nozzle internal diameter (in) from Table 3 =

35
100
99
0.0938
0.125

Flow Rate (FR) (lb/hr) = 19.886 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =
 FR = Flow Rate (lb/hr) =
 w = fraction of time of wet blasting =
 N = number of nozzles =

0.010
19.886
0
1

PM CE

99%

Uncontrolled Emissions =	0.20 lb/hr
	0.871 ton/yr

Controlled Emissions =	0.0020 lb/hr
	0.009 ton/yr

METHODOLOGY

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)
 Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs
 Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)² x (D/D1)
 E = EF x FR x (1-w/200) x N

Calculations Empire Glass Blaster

3/32 @ 60 PSI

Adjusting Flow Rates for Different Abrasives and Nozzle Diameters

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =
 D = Density of abrasive (lb/ft³) From Table 2 =
 D1 = Density of sand (lb/ft³) =
 ID = Actual nozzle internal diameter (in) =
 ID1 = Nozzle internal diameter (in) from Table 3 =

49
100
99
0.0938
0.125

Flow Rate (FR) (lb/hr) = 27.841 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =
 FR = Flow Rate (lb/hr) =
 w = fraction of time of wet blasting =
 N = number of nozzles =

0.010
27.841
0 %
1

Uncontrolled Emissions =	0.28 lb/hr
	1.219 ton/yr

PM CE

99%

Controlled Emissions =	0.0028 lb/hr
	0.012 ton/yr

Calculations Pedestal Plastic Blaster

3/16 @ 80 PSI

Adjusting Flow Rates for Different Abrasives and Nozzle Diameters

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =
 D = Density of abrasive (lb/ft³) From Table 2 =
 D1 = Density of sand (lb/ft³) =
 ID = Actual nozzle internal diameter (in) =
 ID1 = Nozzle internal diameter (in) from Table 3 =

135
50
99
0.0938
0.1875

Flow Rate (FR) (lb/hr) = 17.045 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =
 FR = Flow Rate (lb/hr) =
 w = fraction of time of wet blasting =
 N = number of nozzles =

0.010
17.045
0 %
1

Uncontrolled Emissions =	0.17 lb/hr
	0.747 ton/yr

PM CE

98%

Controlled Emissions =	0.0034 lb/hr
	0.015 ton/yr

Hours of Operation
16
Per Day

Unit ID-Solvent Used	Total Gallons Used Per Day At 16 Hours of Operation per day	Potential Gallons Used Per Day (24 hours)	Solvent Density lbs/gal	Percent VOC	Potential	Potential
					VOC Emission Rate (lb/day)	VOC Emission Rate (tons/yr)
Four Calibration Fluid Wash Stations-Cal Fluid Type II	2.0	3.0	7.34	70.00%	15.41	2.81
Two Agitating Cold Cleaners-Safety-Kleen Premium	3.4	5.1	6.80	100.00%	34.68	6.33
Total					50.09	9.14

Methodology

Potential gallons per day = maximum gallons used per 16 hours of operation multiplied by 24/16

VOC Emission Rate in lbs/day = potential solvent usage per day X density X percent VOC

VOC Emission Rate in tons/yr = potential VOC emission rate in lbs per day x 365 days per year X 1 ton/2000 pounds

HAPS

Cal Fluid Type II None
Safety-Kleen Premium (Naptha) None

Summary of Emissions Before Control (TPY)	PM	PM-10	VOC
ABS Blaster	0.871	0.871	0.000
Empire Blaster	1.22	1.22	0.000
Pedestal Blaster	0.747	0.747	0.000
Four Calibration Fluid Wash Stations-Cal Fluid Type II	0.000	0.000	2.81
Two Agitating Cold Cleaners-Safety-Kleen Premium	0.000	0.000	6.33
Total for Notice Only Change	2.84	2.84	9.14

Summary of Emissions After Control (TPY)	PM	PM-10	VOC
ABS Blaster	0.009	0.009	0.000
Empire Blaster	0.012	0.012	0.000
Pedestal Blaster	0.015	0.015	0.000
Four Calibration Fluid Wash Stations-Cal Fluid Type II	0.000	0.000	2.81
Two Agitating Cold Cleaners-Safety-Kleen Premium	0.000	0.000	6.33
Total for Notice Only Change	0.036	0.036	9.14

Entire Source Summary of Emissions Before Control (TPY)	PM	PM-10	SO2	VOC	CO	NOx
PTE From Existing Source Prior to this Approval						
Taken From Reg. Rev. 081-17192, issued on July 24, 2003	20.9	21.0	1.33	5.96	6.30	15.3
Total for This Notice Only Change						
Additional PTE (TPY)	2.84	2.84	-	9.14	-	-
Total Source PTE Before Controls Including this Approval	23.7	23.8	1.33	15.1	6.30	15.3

PTE = Potential to Emit