



Instructions: Graphic Arts Operation Form

Introduction	Use the following instructions to help guide you through the <i>Graphic Arts Operation form</i> .
Who should use this form?	This form should be submitted with new permit applications and applications to modify or alter existing sources.
Facility Information	<ul style="list-style-type: none">• BAAQMD Facility ID – The facility ID number is available on any permit or invoice issued by BAAQMD. This can be found in the upper right of the permit or the invoice.<ul style="list-style-type: none">➤ If this application is for a new facility (not currently permitted by BAAQMD), you must also submit <i>Facility Creation Form</i> and <i>Facility Contacts Form</i>.
General Information	<ul style="list-style-type: none">• BAAQMD Device ID – For existing facilities, the device ID number can be found on the Permit to Operate to the left of the device name (for example: <u>S1</u> Graphic Arts Operation).• Device/Operation Name – This is the name you associate with this operation.• Initial/Proposed Date of Operation:<ul style="list-style-type: none">○ For new construction, enter the date that you propose will be the initial date of operation.○ For a modification of an existing permitted operation, enter the date that you propose the changes to occur.○ For an existing operation that is not currently permitted by BAAQMD, enter the date for which the facility initially operated.• Device/Operation Description – This is your description of the device or operation. This field can be used to distinguish it from other similar devices (e.g. ID numbers, location, make, model, etc.)
Type of Graphic Arts Operation	<p>Depending on the amount of VOC emitted by your Graphic Arts Operation, the operation will either need to be registered or permitted. The BAAQMD has provided a spreadsheet to help estimate the VOC emissions from your operation at https://www.baaqmd.gov/npsrd-graph-est-tool.</p> <ul style="list-style-type: none">• Registered Graphic Arts Operation – Between 75 lbs and 4000 lbs of VOC are emitted per month• Permitted Graphic Arts Operation – 400 lbs of VOC or greater are emitted per month <p>If your Graphic Arts Operation emits less than 75 lbs of VOC per month, it is exempt from permitting and no application is required, unless you would like to apply for a Certificate of Exemption.</p> <p>Graphic Arts Operations exclusively using Radiation cured inks where ultraviolet or electron beam energy is used are also exempt from permitting.</p>
Additional Information	If this operation uses a gas dryer with a maximum firing rate of 10 MMBTU/hr or greater, you must submit a Combustion Form with your application.
Coating and Solvent Usage	<p>If this operation uses more than three types of coating materials, and/or more than three types of solvent materials, submit the additional information on a separate sheet of paper.</p> <p>Coating material codes can be found under Table A. Solvent material codes can be found under Table B. Material composition compound codes can be found under Table C.</p>
Still need help?	Contact the Engineering Division: (415) 749-4990 permits@baaqmd.gov



GRAPHIC ARTS OPERATION FORM

Use one form for each operation requiring Registration or a Permit to Operate. All fields are required unless otherwise noted. Please type or print.

Email to: permits@baaqmd.gov

Mail to: BAAQMD

Engineering Division
375 Beale Street, Suite 600
San Francisco, CA 94105

Tel: (415) 749-4990

1. Facility Information

Facility Name, BAAQMD Facility ID (Existing facilities only), Facility Address (Street address and city)

2. General Information

BAAQMD Device ID (If applicable), Device/Operation Name, Initial/Proposed Date of Operation, Device/Operation Description

3. Operating Schedule - Select "Continuous" or specify specific schedule in the 4 columns

Table with columns: Continuous, Maximum hours/day, Typical hours/day, Days/week, Weeks/year

4. Emission Train Information

With regard to emission flow, what abatement devices and/or emission points are immediately downstream of this source?

Abatement Devices A _____ A _____ A _____ Emission Points P _____ P _____ P _____

Complete an Abatement Device Form and/or Emission Point Form for each connection.

5. Type of Graphic Arts Operation

How much VOC does your graphic arts operation emit?

Less than 75 lbs/mo, 75 lbs/mo or more but less than 400 lbs/mo, 400 lbs/mo or greater

If this operation uses less than 75 lbs/mo, it is exempt and does not need to be permitted. No application is required.

6. Operation Information

Which of the following activities apply to your Graphic Arts Operation? (Check all that apply)

- Digital Printing, Gravure, Lithographic, Screen Printing, Flexographic, Letterpress, Publication Gravure, Other

Do you only use radiation cured inks where ultraviolet or electron beam energy is used? Yes No

If this operation exclusively uses radiation cured inks where ultraviolet or electron beam energy is used, it is exempt under BAAQMD Reg. 2-1-119.1 and does not need to be permitted.

Are any solvents used with this device or operation? Yes No

Is heat used for drying, baking, curing, or polymerizing the coating? Yes No

If an electric dryer is used, select type: Electric, Infrared, Ultraviolet, Other

If a gas dryer is used, select fuel type: LPG, Natural Gas

Maximum firing rate for gas dryer: _____ MMBTU/hr (if 10 MMBTU/hr or greater, Combustion Form REQUIRED)



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7. Coating Usage

Fill out information on the coating materials used in this operation:

- Submit a copy of the safety data sheet (SDS) for each material identified below.
If more than 2 coatings are used, submit the additional information on a separate sheet of paper.
See Table A for a list of coating material codes and Table C for a list of material compound codes.

Most Applied Coating

Table with 3 columns: Material Name, Material Code, Maximum Annual Usage. Includes rows for VOC Content, Coating Density, Solvent Volume Percentage, and Material Compound 1/2 Codes.

2nd Most Applied Coating

Table with 3 columns: Material Name, Material Code, Maximum Annual Usage. Includes rows for VOC Content, Coating Density, Solvent Volume Percentage, and Material Compound 1/2 Codes.

8. Solvent Usage – Required if solvents are used with this device or operation

Fill out information on any solvents used in this operation, if applicable:

- Submit a copy of the material safety data sheet (MSDS) for each material identified below.
If more than 2 solvents are used, submit the additional information on a separate sheet of paper.
See Table B for a list of solvent material codes.

Most Used Solvent

Table with 3 columns: Material Name, Material Code, Maximum Annual Usage. Includes rows for VOC Content, Solvent Density, Solvent Volume Percentage.

2nd Most Used Solvent

Table with 3 columns: Material Name, Material Code, Maximum Annual Usage. Includes rows for VOC Content, Solvent Density, Solvent Volume Percentage.

9. Certification/Signature of person responsible for the information on this form

I hereby certify that I am authorized to complete this form for the facility and that all information contained herein is true and correct.

Signature table with columns for Name, Title, Signature, Date, and Phone.

Table A. Graphic Arts Coating Material Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
753	Fountain Concentrate	10016	Graphic Arts Coating & Ink	10022	Lithographic Non-Heat-Set Inks - General
665	Fountain solution	10085	Graphic Arts Makeup Solvent	298	Varnish - other/not specified
10013	Graphic Arts Adhesives	10020	Lithographic Heat-set Inks - General		

Table B. Solvent Material Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
565	1,1,1-trichloroethane	370	Dichloroethylene, sym-	822	Inorganic liquid - other/not specified
294	1,1,1-trichloroethane (with dioxane)	671	Dichlorofluoroethane	700	Isobutyl isobutyrate
781	1,1,2,2-tetrachloroethane	740	Dichloropentafluoropropane	686	Isopar H
385	1,2,4-trimethylbenzene	661	Diethylene glycol	157	Isopropyl alcohol
335	Acetaldehyde	578	Diethylene glycol monobutyl ether	159	Kerosene
454	Acetic acid	99	Dimethyl formamide	178	Methyl acetate
455	Acetone	328	Dipentene	179	Methyl alcohol
456	Acetonitrile	804	Dipropylene glycol monomethyl ether	169	Methyl ethyl ketone (MEK)
457	Acetylene	664	Ethanolamine	170	Methyl isobutyl ketone (MIBK)
334	Amyl acetate	104	Ethyl acetate	729	Methyl n-amyl ketone
582	Anisole	105	Ethyl alcohol	725	Methyl propyl ketone
40	Benzaldehyde	332	Ethyl isoamyl ketone	396	Methylene chloride
48	Butyl acetate	688	Ethyl lactate	184	Mineral spirits
49	Butyl alcohol	333	Ethylbenzene	188	Naphtha
522	Butyl cellosolve	561	Ethylene glycol	630	Nitromethane
587	Butyrolactone	602	Ethylene glycol monobutyl ether acetate	547	n-methyl-2-pyrrolidone
576	Carbitol acetate	558	Freon - mixtures with freon	312	n-methylpyrrolidine
60	Carbon tetrachloride	530	Glycol ether - other/not specified	313	n-propyl alcohol
62	Cellosolve	10014	Graphic Arts Cleanup Solvent	746	N-propyl Bromide
63	Cellosolve acetate	147	Heptane	201	Organic liquid - other/not specified
390	Chloroform	744	Hexamethyldisiloxane	734	p-chlorobenzotrifluoride
91	Cyclohexane	148	Hexane	209	Pentane
491	Cyclohexanone	663	Hexylene glycol	210	Perchloroethylene
747	Decafluoropentane	318	Hydrocarbon - mixtures, other/not specified	214	Phenol
96	Diacetone alcohol	739	Hydrofluoroether	799	Propylene Carbonate

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
579	Propylene glycol monomethyl ether	401	Stoddard solvent	295	Trichloroethylene
601	Propylene glycol monomethyl ether acetate	548	Tetrahydrofuran	480	Trichlorotrifluoroethane
690	Propylene glycol, 1,2-	726	Tetramethylammonium hydroxide	324	Turpentine
790	Solvent thinner, misc	293	Toluene	307	Xylene

Table C. Compound Material Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
565	1,1,1-Trichloroethane	747	Decafluoropentane	739	Hydrofluoroether
294	1,1,1-trichloroethane (with dioxane)	96	Diacetone alcohol	700	Isobutyl isobutyrate
781	1,1,2,2-tetrachloroethane	370	Dichloroethylene, 1,2	686	Isopar H
385	1,2,4-trimethylbenzene	671	Dichlorofluoroethane	157	Isopropyl alcohol
746	1-Bromopropane	740	Dichloropentafluoropropane	159	Kerosene
729	2-heptanone	661	Diethylene glycol	178	Methyl acetate
335	Acetaldehyde	578	Diethylene glycol monobutyl ether	179	Methyl alcohol
454	Acetic acid	99	Dimethyl formamide	169	Methyl ethyl ketone (MEK)
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49	Butyl alcohol	333	Ethylbenzene	188	Naphtha
522	Butyl cellosolve	561	Ethylene glycol	630	Nitromethane
587	Butyrolactone	602	Ethylene glycol monobutyl ether acetate	201	Organic liquid - other/not specified
576	Carbitol acetate	558	Freon - mixtures with freon	990	Organics (part not specified elsewhere) -- including Methane
60	Carbon tetrachloride	530	Glycol ether - other/not specified	1590	Other Acid Mists
62	Cellosolve	147	Heptane	734	Parachlorobenzotrifluoride (PCBTF)
63	Cellosolve acetate	744	Hexamethyldisiloxane	209	Pentane
390	Chloroform	148	Hexane	210	Perchloroethylene
91	Cyclohexane	663	Hexylene glycol	214	Phenol
491	Cyclohexanone	318	Hydrocarbon - mixtures, other/not specified	799	Propylene Carbonate

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790	Solvent thinner, misc (non-toxic)	293	Toluene	307	Xylene