SOLVENT CLEANING OPERATION EQUIPMENT SUMMARY FORM-44

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	(This form must be submitted for each equipment item)	
GENERAL		
1. MANUFACTURER	MODEL	
2. SERIAL NUMBER	DATE OF INSTALLATION	f not installed)
	(leave blank i	i not installed)
3. DEVICE TYPE (Check ✓ one)		
□ Batch-Load Cold Solvent Cleaner □ Conveyorized Cold Solvent Clean □ Remote Reservoir Cold Cleaner □ Other (describe)	□ Batch-Load Vapor Solvent Cleaner □ Solvent Spray □ Conveyorized Vapor Solvent Cleaner □ Batch-Load Dip □ Gas/Liquid-Path Cleaner □ Closed-Loop (s	Tank
4. DEVICE LOCATION	Building I	Room
	(street address)	
5. DESCRIBE THE PARTS (PART NAME(S	AND COMPOSITION(S)) THAT ARE CLEANED IN AND/OR WITH THE DEVICE	
-		
★ Submit man	acturer's literature, catalog, or equivalent information for the equipment unit	
-		
SPECIFICATIONS		
6. TOTAL NUMBER OF SOLVENT TANKS	1 / 2 / 3 TOTAL TANK VOLUME	gallons
7. DEVICE OVERALL OUTSIDE DIMENSION	IS	
Width inches	Length inches Height	inches
Person Completing this Form (p.	ase print) Facility (Doing Business As) Na	me
Employed By	Date	
, , ,	responded given by me to the guestions called within will be used to establish amissis	n limita on mu

I, by completing this form, understand that the responses given by me to the questions asked within will be used to establish emission limits on my permit and that the responses represent the maximum design capacity of the equipment.

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O. OOLVEIVI IMMIN DIMENOIC	NS (If more than on	e tank, list separa	ately for each ta	nk - use separate s	heet if necessa	ry)	
a. Width	inches	Length		inches	s [Depth	inches
b. Freeboard Height		inches	Freeboa	ard Ratio			
9. TOTAL EVAPORATIVE SUI	RFACE AREA			square feet			
10. COVER TYPE (Check ✓ c	ne)						
☐ Sliding ☐ Other (describe)	Rolling		Guillotine	☐ None			
11. SOLVENT FLOW TYPE (Check ✓ one)							
☐ None ☐ Other (list)							
12. LIP EXHAUST SYSTEM E	LECTRIC MOTOR H	ORSEPOWER	RATING			□ N/A - No Lip I	Exhaust
13. SOLVENT AGITATION PU	MP HORSEPOWER	RATING			□ N/A	- No Solvent Agitation	on
14. SOLVENT FLOW PUMP E	LECTRIC MOTOR H	HORSEPOWER	RATING			☐ N/A - No Sol	vent Flow
	_						
EMISSIONS CONTROLS							
15. WHEN OPERATIONAL, W	ILL THE DEVICE BE	E EQUIPPED WI	ITH A WATER	COVER?			
☐ No (If selected, skip	the rest of Question	15)	☐ Yes	(If selected, comple	ete (a) and (b) b	elow)	
a. Minimum Water	Donth						
	Jepin _		inch(es)				
b. Solvent Solubility	•	☐ Negligib☐ Soluble☐ % by We	ele ,	☐ Infinite☐ Complete	☐ Miscible ☐ Produces ☐ Other (lis		
b. Solvent Solubility 16. WHEN OPERATIONAL, V	/ in Water	Soluble % by We	eight	Complete	Produces Other (list		
16. WHEN OPERATIONAL, V	/ in Water	Soluble Soluble Soluble	eight D TO AN EMIS	Complete SIONS CONTROL	Produces Other (list		
16. WHEN OPERATIONAL, V	in Water VILL THE DEVICE E	Soluble Soluble September 1998 September 19	eight D TO AN EMIS quirements of S	Complete SIONS CONTROL	Produces Other (list SYSTEM?	·t)	
16. WHEN OPERATIONAL, \	y in Water VILL THE DEVICE E s ⇔ Does the Syst	☐ Soluble ☐ % by We BE CONNECTED em Meet the Re ☐ Yes ➡ I	eight D TO AN EMIS quirements of S Provide Eviden	Complete SIONS CONTROL BECAPCD Rule 32 ce of Compliance	Produces Other (list SYSTEM? 1, Section M? With Rule 321.	<u> </u>	
16. WHEN OPERATIONAL, \	y in Water VILL THE DEVICE E s ⇔ Does the Syst	☐ Soluble ☐ % by We BE CONNECTED em Meet the Re ☐ Yes ➡ I	eight D TO AN EMIS quirements of S Provide Eviden	Complete SIONS CONTROL BECAPCD Rule 32 ce of Compliance	Produces Other (list SYSTEM? 1, Section M? With Rule 321.	<u> </u>	
16. WHEN OPERATIONAL, V □ No □ Ye ★ Conta	y in Water VILL THE DEVICE E S ➡ Does the Syst □ No ct the APCD for addit	☐ Soluble ☐ % by We BE CONNECTED em Meet the Re ☐ Yes ➡ I	eight D TO AN EMIS quirements of S Provide Eviden	Complete SIONS CONTROL BECAPCD Rule 32 ce of Compliance	Produces Other (list SYSTEM? 1, Section M? With Rule 321.	<u> </u>	
16. WHEN OPERATIONAL, V □ No □ Ye ** Conta	y in Water VILL THE DEVICE E s Does the Syst No ct the APCD for addit Diy) □ Perch	Soluble Soluble % by Wo BE CONNECTED em Meet the Re Yes ional requirement	eight D TO AN EMIS quirements of \$ Provide Eviden ts if the device in	Complete SIONS CONTROL BECAPCD Rule 32 ce of Compliance is connected to an e	Produces Other (list SYSTEM? 21, Section M? With Rule 321. emissions control 1, 1,	<u> </u>	
16. WHEN OPERATIONAL, \\ No Ye ★ Conta SOLVENT DATA 17. TYPE (Check ✓ all that ap, Methylene Chloride Carbon Tetrachloride	y in Water VILL THE DEVICE E s Does the Syst No ct the APCD for addit Diy) □ Perch	Soluble Soluble % by Wo BE CONNECTED mem Meet the Re Yes ⇔ I ional requirement loroethylene form	eight D TO AN EMIS quirements of \$ Provide Eviden ts if the device if	Complete SIONS CONTROL BECAPCD Rule 32 ce of Compliance is connected to an e	Produces Other (lis SYSTEM? 1, Section M? With Rule 321. emissions control 1, esse in a Concer	M ol system ★ I,1-Trichloroethane	/ lb/gallon

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20. IS THE SOLVENT HEATED ABOVE THE AMBIENT ROOM TEMP	PERATURE DURING AND/OR PRIOR TO USE?
☐ No (If selected, skip the rest of Question 20)	Yes (If selected, complete (a) and (b) below)
a. Maximum Temperature to Which Solvent is Heated	°F
b. Solvent Heater Electric Rating kilow	atts
21. MAXIMUM MONTHLY SOLVENT USE	gallons
★ Submit material safety data sheet (MSDS) air gua	nlity data sheet, or equivalent information for the solvent(s)
- Cabini indicinal carety data cricer (inceso), diri que	and choose of oquitation morniation for the convention
POTENTIAL TO EMIT	
22. DO YOU WISH TO COMPUTE THE DEVICE'S POTENTIAL TO QUESTIONS 23, 24, AND 25?	EMIT BY USING A METHOD DIFFERENT FROM THAT CONTAINED WITHIN
	or Engineering Calculations. Selecting this Option Will Result in More Extensive quirements than those Contained in SBCAPCD Rule 321. Skip Questions 23,
THE REACTIVE ORGANIC COMPOUNDS (ROC) CONTENT WE	
× × = =	pounds ROC emissions per month
24. DIVIDE THE RESULTANT VALUE COMPUTED IN QUESTION 23	
÷ 21.7 = pounds ROC er	, , , ,
(lb ROC/mo)	
25. MULTIPLY THE RESULTANT VALUE COMPUTED IN QUESTIO	N 23 BY 12 (months per year) AND DIVIDE BY 2000 (pounds per ton)
× 12 ÷ 2000 = tons	s ROC emissions per year
	culations if you selected "yes" to Question 22 ★
A Submit engineering and emission can	culations if you selected yes to question 22
SOLVENT CLEANER REQUIREMENTS	
26. WILL PARTS CLEANED IN THE DEVICE BE DRIED BY SOLVE	NT ATOMIZATION (E.G., BLOW DRYING)?
No ☐ Yes ➡ Is the Solvent Atomization Operation	,
·	the System Meet the Requirements of SBCAPCD Rule 321, Section M?
□ No □	Yes ⇒ Provide Evidence of Compliance With Rule 321.M

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27.	IS THE DEVICE EQU DRAG-OUT IS RET				FOR DRAINING CLEA	ANED PARTS SU	CH THAT THE DRAINE	D SOLVENT OR
	□ No	☐ Yes ⇔	Is the Drainage Draining?	Facility	Internal so that the Par	rts are Within the	Solvent Cleaner and Un	der the Cover While
			☐ Yes ☐	No				
28.	WRITTEN AND PER	RMANENTLY A	AND CONSPICU	DUSLY I	S CONTAINED IN SBO POSTED ON OR NEA REFERENCE PURPOS	R THE EQUIPME	1 SECTIONS D, E, AND ENT IN SUCH A MANNE	OF LEGIBLY ER THAT IT IS
	☐ Yes	☐ No						
29.	IS THE DEVICE EQU	JIPPED WITH A	A SOLVENT AGI	TATION	SYSTEM?			
	□ No	☐ Yes ⇔	(select type(s)):		☐ Pump Recirculat ☐ Ultrasonics ☐ Other (list)	ion	☐ Mechanical M ☐ Gas or Air	fixing (mixer)
30.	WHEN OPERATION	AL, WILL THE I	DEVICE BE CON	NECTE	D TO ANY OF THE FO	OLLOWING (Che	eck ✔ all that apply)	
	☐ Hood	□ E	nclosure		☐ Lip Exhaust ⇔		onnected to an emission	
	☐ No Exhaust Sy	/stem - Exhaus	t Directly to Atmo	sphere		compliant with	Rule 321.M? Yes	J No
31.	IS THE DEVICE EQU	IPPED WITH A	POWERED PAR	RTS HO	IST OR CONVEYOR?			
	□ No	☐ Yes ⇒	Maximum Vertica	l Lift Sp	eed	feet/minute		
		★ Comp	lete and submit fo	m APCL	D-9 if the device is conn	ected to a hood or	enclosure *	
_								
	COLD SOLVENT CLE	ANER REQUI		section	if device is <u>any type</u> of	cold solvent clean	er ★	
32.	DOES THE DEVICE CONFORMING TO					THE MAXIMUMA	LLOWABLE SOLVENT	LEVEL
	☐ Yes ☐ N							
_								
	VAPOR SOLVENT CL	EANER REQU	JIREMENTS					
			★ Complete this	section it	f device is any type of	vapor solvent clear	ner *	
33.	MAXIMUM WORKLO	AD AREA			square feet			
34.	IS THE DEVICE EQU	IIPPED WITH A	A PRIMARY CON	DENSE	R COIL SITUATED A	BOVE THE BOILI	NG SOLVENT?	
	☐ Yes ☐	No						
35.					SWITCH THAT SHUT S DESIGNED OPERA		P HEATER IF THE COI TURE?	NDENSER COOLANT
	☐ Yes ☐	No						
36.						AT SHUTS OFF T	THE SUMP HEATER W	HEN THE SOLVENT
	VAPOR LEVEL RIS ☐ Yes ☐	No No	IL DESIGNED OI	- ERAII	ING LEVEL!			
37	IS THE DEVICE EQL		A SOLVENT FI O	W MFC	HANISM (E.G. SPRA)	Y WAND)?		
51.					ts Solvent Flow Pump	,	the Solvent Vapor	
					Operating Level?	- 1. 2. 2. 20. 0111000		
			☐ Yes	1	□ No			

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38. IS THE DEVICE EQUIPPED WITH A REFRIGERATED FREEBOARD CHILLER?
☐ No (If selected, skip the rest of Question 38) ☐ Yes (If selected, complete (a) and (b) below)
a. Temperature at the Coldest Point on the Vertical Axis in the Center of the Air-Vapor Interface °F
b. Is the Refrigerated Freeboard Chiller Equipped With an Automatic Defrost?
☐ Yes ☐ No
39. IS THE DEVICE OF AN ENCLOSED DESIGN IN WHICH THE COVER OR DOOR OPENS ONLY WHEN THE DRY PART IS ACTUALLY ENTERING OR EXITING THE CLEANER?
☐ Yes ☐ No
REMOTE RESERVOIR COLD CLEANER REQUIREMENTS
★ Complete this section if device is <u>any type</u> of remote reservoir cold cleaner ★
40. IS THE SINK OR WORK AREA SLOPED SUFFICIENTLY TOWARDS THE DRAIN TO PREVENT POOLING OF SOLVENT?
☐ Yes ☐ No
41. HOW MANY DRAIN HOLES DOES THE DEVICE HAVE THAT ARE USED FOR RETURNING THE SOLVENT FLOW FROM THE SINK BACK INTO THE ENCLOSED RESERVOIR?
42. TOTAL DRAIN HOLE AREA square inches (Note: Area of Circle = 0.7854 ´ Diameter ´ Diameter)
43. MEANS OF PREVENTING SOLVENT VAPOR FROM ESCAPING FROM THE SOLVENT CONTAINER WHEN THE REMOTE RESERVOIR IS NOT BEING USED, CLEANED, OR REPAIRED (Check ✓ all that apply)
□ N/A - No Means □ Closing a Cover □ Use of a Valve or Drain Plug
☐ Other (describe)
CONVEYORIZED COLD SOLVENT CLEANER REQUIREMENTS
★ Complete this section if device is <u>any type</u> of conveyorized cold solvent cleaner ★
44. IS THE DEVICE EQUIPPED WITH ANY OF THE FOLLOWING MEANS OF PREVENTING CLEANED PARTS FROM CARRYING OUT SOLVENT LIQUID OR VAPOR? (Check ✓ all that apply)
☐ Rotating Basket ☐ Tumbling Basket ☐ Drying Tunnel ☐ None
Other (list)
45. AVERAGE CLEARANCE BETWEEN WORKLOAD MATERIAL AND THE EDGES OF THE DEVICE ENTRANCE AND EXIT OPENINGS inch(es)
46. DEVICE ENTRANCE OPENING WIDTH inch(es)
47. IS THE DEVICE EQUIPPED WITH DOWN-TIME COVERS FOR COMPLETELY CLOSING OFF BOTH THE DEVICE ENTRANCE AND EXIT
OPENINGS DURING SHUTDOWN HOURS?
☐ Yes ☐ No ➡ Percentage of Openings Covered Entrance % Exit %
CONVEYORIZED VAPOR SOLVENT CLEANER REQUIREMENTS
★ Complete this section if device is <u>any type</u> of conveyorized vapor solvent cleaner ★

APCD-44 (10/7/97) PRIOR VERSIONS OBSOLETE

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49.	IS THE DEVICE EQUIPPED WITH ANY OF THE FOLLOWING MEANS OF PREVENTING CLEANED PARTS FROM CARRYING OUT SOLVENT LIQUID OR VAPOR? (Check & all that apply)
	☐ Rotating Basket ☐ Tumbling Basket ☐ Drying Tunnel ☐ Other (list)
50.	AVERAGE CLEARANCE BETWEEN WORKLOAD MATERIAL AND THE EDGES OF THE DEVICE ENTRANCE AND EXIT OPENINGS inch(es)
51.	DEVICE ENTRANCE OPENING WIDTH inch(es)
52.	IS THE DEVICE EQUIPPED WITH DOWN-TIME COVERS FOR COMPLETELY CLOSING OFF BOTH THE DEVICE ENTRANCE AND EXIT OPENINGS DURING SHUTDOWN HOURS?
	☐ Yes ☐ No ⇨ Percentage of Openings Covered Entrance % Exit %
53.	IS THE DEVICE EQUIPPED WITH A PRIMARY CONDENSER COIL SITUATED ABOVE THE BOILING SOLVENT?
	☐ Yes ☐ No
54.	IS THE DEVICE EQUIPPED WITH A CONDENSER FLOW SWITCH THAT SHUTS OFF THE SUMP HEATER IF THE CONDENSER COOLANT STOPS CIRCULATING OR BECOMES WARMER THAN ITS DESIGNED OPERATING TEMPERATURE?
	☐ Yes ☐ No
55.	IS THE DEVICE EQUIPPED WITH A HIGH VAPOR CUTOFF THERMOSTAT THAT SHUTS OFF THE SUMP HEATER WHEN THE SOLVENT VAPOR LEVEL RISES ABOVE THE DESIGNED OPERATING LEVEL?
	☐ Yes ☐ No
56.	IS THE DEVICE EQUIPPED WITH A SOLVENT FLOW MECHANISM (E.G., SPRAY WAND)?
	No ☐ Yes ⇒ Is There a Device That Prevents Solvent Flow Pump Operation Unless the Solvent Vapor Level is at the Designed Operating Level?
	☐ Yes ☐ No
57.	IS THE DEVICE EQUIPPED WITH A REFRIGERATED FREEBOARD CHILLER?
	□ No (If selected, skip the rest of Question 57) □ Yes (If selected, complete (a) and (b) below)
	a. Temperature at the Coldest Point on the Vertical Axis in the Center of the Air-Vapor Interface °F
	b. Is the Refrigerated Freeboard Chiller Equipped With an Automatic Defrost?
	☐ Yes ☐ No
58.	IS THE DEVICE OF AN ENCLOSED DESIGN IN WHICH THE COVER OR DOOR OPENS ONLY WHEN THE DRY PART IS ACTUALLY ENTERING OR EXITING THE CLEANER?
	☐ Yes ☐ No
	★ This concludes this form. Please check that you have answered all questions and enclosed the required attachments.