	SCAQMD P.O. Box 4944 Diamond Bar, CA 91765-0944								
South Coas	South Coast AQMD Form 400-PS. This form must be accompanied by a completed Application for a Permit to Construct/Operate - Forms 400-A, Form 400-CEQA, and Tel: (909) 396-3385 www.aqmd.gov								
Section A - Operator Information									
Facility Na	me (Business Name	e of Operator That Appears On Permi	t):	Valid AQMD Facility ID (Av	ailable On Permit Or I	Invoice Issued By AQMD):			
Address w	here the equipmer	it will be operated:							
Section	B - Equipme	ent Description							
Dry-Cleaning Machine		Manufacturer:	M	odel:	Date of Ma	nufacture:			
Ce	rtification	Is this dry-cleaning machine certified by the California Air Resources Board (CARB)? Yes No Link to CARB website for certification information http://www.arb.ca.gov/toxics/dryclean.htm							
(	Control	Closed loop with primary and secondary control       Closed loop with primary and add-on secondary control         Primary Control Only (Condenser)       Other:							
	Load	Capacity	Pounds	Clothes Cleaned Per Day		pounds/day			
Section	C - Process	Description							
Type of Solvent         Please attach a copy of the         Material Data Safety Sheet         for all solvents    Other:									
Solvent Usage Operating Schedule		Gallons Of Solvent Consumed* Per Month:       Density of Solvent:       Ibs/gal         * Solvent Consumed = Solvent Purchase + Initial Inventory - Final Inventory - Waste Credit (Please Attach Supporting Documents.)       Inventory - Waste Credit (Please Attach Supporting Documents.)							
Operating Schedule		Normal: Maximum:	hours/day hours/day	days/week days/week		_weeks/yr _weeks/yr			
Operating Parameters		Max. No. of Loads: Drying Cycle Time:	per day minutes/load	Min. No. of Loads: Cool Down Cycle Time:		per day minutes/load			
Type Of Bu -Clean	uilding Where Dry er Is Located	Co-Commercial (CC): Share building with commercial occupants, no residents - includes malls Stand-Alone (SA): No other occupants in building Distance to nearest receptor:feet Nearest receptor is: Commercial or Residential Co-Residential (CR): Share building with residential occupants							
Section	D - Control	Equipment Operation							
Carbon Secon	n Absorber As Idary Control	No. of loads required before Carb	on Absorber is regenerate	d: Re	generation Time:	minutes			
Section	E - Authoriz	ation/Signature							
I hereby ce	ertify that all inforn Signature:	nation contained herein and inform	ation submitted with this a Date:	pplication is true and correct.					
Droparor	orginataron		24101	Phone #:	Fay #·				
Preparer Info	Title:	Company Nam	Email:						
	Name:			Phone #:	Fax #:				
Contact Info Title: Company Name		e:	Email:						
THIS IS A PUBLIC DOCUMENT Pursuant to the California Public Records Act, your permit application and any supplemental documentation are public records and may be disclosed to a third party. If you wish to claim certain limited information as exempt from disclosure because it qualifies as a trade secret, as defined in the District's Guidelines for Implementing the California Public Records Act, you must make such claim <u>at the time of submittal</u> to the District. Check here if you claim that this form or its attachments contain confidential trade secret information.									

© South Coast Air Quality Management District, Form 400-E-7 (2014.07)

South Coast Air Quality Management District

Mail To:

## Form 400-E-7 Emission Calculations Hydrocarbon (Petroleum) Solvent Only

A/N:					Facility Name:				
Equipment Type: Hydrocarbon (Petroleum) Dry Cleaning Machine Manufacturer:					Model:				
Data									
Capacity			lb/load						
HC Consumption			gal/month						
Clothes Cleaned/Day		Ib/day							
Clothes Cleaned/Week			Ib/week						
Specific Gravity of Petroleum									
Density of HC (Petroleum)			lb/gal						
Control Efficiency*									
Operating Schedule									
Daily Average									
Daily Max			hours/day						
Weekly			days/week						
Yearly			week/year						
Monthly Uncontrolled Emissions =		HC Consum	otion x HC (Petroleum) E	Density				lbs/month	
Monthly Controlled Emissions =		Monthly Uncontrolled x (1 - eff)						lbs/month	
Daily Uncontrolled Emissions =		(Monthly Uncontrolled/4.33 weeks)/(No. of days			per week)			lbs/day	
Daily Controlled Emissions =		(Monthly Controlled/4.33 weeks)/(No. of days per			er week)			lbs/day	
Hourly Uncontrolled Emissions =		R1 = Daily Uncontrolled/Max. hours per day						lbs/hr	
Hourly Controlled Emissions =		R2 = Daily Controlled/Max. hours per day					lbs/hr		
Annual Average =		R2 x (Max. hours/day) x (days/wk) x (wks/year)					lbs/year		
30 days Average =		R2 x (Max. hours/day) x (days/wk) x (4.33 wk/mon)/		ion)/30 days			lbs/day		
Emissions Summary									
Emissions	ſ	Units	Uncontrolled	C	ontrolled				
Monthly	lbs	s/month	64.10						
Daily		os/day	2.96						
Hourly R1/R2		lbs/hr	0.74						
Annual		lbs/yr							
30-Day Average	lt	os/day							

\* Based on the status report on Rule 1421, dated December 3, 2004, staff determined that 34% VOC is emitted from Hydrocarbon machines.

South Coast Air Quality Management District

### Form 400-E-7 Emission Calculations Hydrocarbon (Petroleum) Solvent Only

# EVALUATION REPORT FOR PERMIT TO CONSTRUCT/OPERATE

APPLICANT'S NAME:			
APPLICATION NO:			
EQUIPMENT LOCATION:			

EQUIPMENT DESCRIPTION:

DRY CLEANING MACHINE, HYDROCARBON SOLVENT, LINDUS, MODEL NUMBER PM45, CLOSED LOOP, WATER COOLED VA-POR CONDENSER.

## **EMISSION CALCULATIONS:**

See emission calculation on previous page.

### **RULES EVALUATION:**

Rule 212: There are no K-12 schools located within 1,000 ft of this facility, this installation will result in an increase of air contaminants but will produce no increase in health risk at any receptor location. Therefore a public notice is not required.

Rule 401: The equipment is expected to comply with the opacity limits provided in Rule 401.

Rule 402: Nuisance complaints are not expected.

Rule 1102: The equipment is equipped with primary control, and secondary control consisting of a refrigerated condenser. Compliance is expected.

Rule XIII: New Source Review Compliance is expected as shown below:

1303 (a)(1) – Best Available Control Technology (BACT) The equipment complies with District BACT Guidelines.

1303 (b)(1) – ROG emissions are exempt from modeling.

1303 (b)(2) – Controlled Emissions of \_\_\_\_\_\_ Ibs ROG/day are less than 22 lbs ROG/day (4 tons ROG/year), therefore offsets are not required for this equipment.

Regulation XX: This facility is not in the RECLAIM program so this regulation is not applicable to this facility.

Regulation XXX: This is not a Title V facility so this regulation is not applicable to this facility.

### Form 400-E-7 Emission Calculations Hydrocarbon (Petroleum) Solvent Only

#### **CONCLUSIONS & RECOMMENDATIONS:**

The application is expected to comply with all applicable District Rules and Regulations. A Permit to Construct/Operate is recommended subject to the following conditions:

- 1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
- 2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3. THIS EQUIPMENT SHALL ONLY USE PETROLEUM SOLVENT WITH AN INITIAL BOILING POINT NOT LESS THAN 372 DEGREES FAHRENHEIT AS A DRY CLEANING FLUID.
- 4. THE TOTAL QUANTITY OF PETROLEUM SOLVENT THAT IS REPLENISHED IN THIS EQUIPMENT SHALL NOT EXCEED GALLONS PER MONTH AVERAGED OVER ANY 12-MONTH PERIOD.
- 5. EACH WORKING DAY THE OPERATOR SHALL INSPECT AND CLEAN WITH A WET CLOTH THE FOLLOWING EQUIP MENT: THE GASKETS AND THE EDGES OF THE LOADING DOOR, LOADING DOOR LINER, LINT FILTER, AIR FILTER, AND WASTE WATER SEPERATOR. IF ANY OF THE SEALS OR GASKETS SHOW SIGNS OF WEAR (e.g. CUTS OR TEARS) SUCH THAT THEY WILL NOT PROVIDE AN IMPERVOUS SEAL AGAINST LIQUID OR VAPOR LEAKAGE OR AIR LEAKAGE INTO THE MACHINE, THE DRY CLEANING MACHINE SHALL NOT BE OPERATED UNTIL THOSE SEALS OR GASKETS ARE REPLACED.
- 6. MATERIAL SAFETY DATA SHEETS FOR ALL DRY CLEANING SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
- 7. ALL WASTE MATERIALS WHICH HAVE COME INTO CONTACT WITH ANY SOLVENT SHALL BE STORED IN ENCLOSED CONTAINERS AND DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPARTMENT OF HEALTH SERVICES.
- 8. IN ADDITION TO THE RECORD-KEEPING REQUIREMENTS OF RULE 1102, RECORDS OF SOLVENT USAGE, INSPEC TIONS AND REPAIRS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NUMBERS 4 AND 5. THESE RECORDS SHALL BE RETAINED ON SITE FOR AT LEAST TWO YEARS AND SHALL BE MADE AVAILABLE TO SCAQMD REPRESENTATIVES UPON REQUEST.
- 9. PETROLEUM SOVENTS USED IN THIS EQUIPMENT AT THIS FACILITY SHALL NOT CONTAIN ANY COMPOUNDS IDEN TIFIED AS CARCINOGENIC AIR CONTAMINANTS IN RULE 1401 AS AMENDED ON MARCH 4, 2005.
- 10. THIS EQUIPMENT SHALL COMPLY WITH RULE 1102.