ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF AIR -- PERMIT SECTION
P.O. BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

FOR APPLICANT'S USE

Revision #: _____

Date: _____ / _____ / _____

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Source Designation:

_____

SOLVENT CLEANING CONVEYORIZED DEGREASER

FOR AGENCY USE ONLY
ID NUMBER:
EMISSION POINT #:
DATE:

SOURCE INFORMATION

1) SOURCE NAME:	
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN):

GENERAL INFORMATION

4) NAME OF EMISSION UNIT:	
5) NAME OF PROCESS:	
6) DESCRIPTION OF PROCESS:	
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR ACTIVITY ACCOMPLISHED:	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
9) MANUFACTURER OF EMISSION UNIT:	
10) MODEL NUMBER:	11) SERIAL NUMBER:
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR):
	b) OPERATION (MONTH/YEAR):
	c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	

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14) DOES THE EMISSION UNIT HAVE MORE THAN ONE MODE OF OPERATION? ☐ YES ☐ NO

IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE SOLVENT CLEANING FORM 366-CAAPP MUST BE COMPLETED FOR EACH MODE):

15) PROVIDE THE NAME AND DESIGNATION OF ALL AIR POLLUTION CONTROL EQUIPMENT CONTROLLING THIS EMISSION UNIT, IF APPLICABLE (FORM 260-CAAPP AND THE APPROPRIATE 260-CAAPP ADDENDUM FORM MUST BE COMPLETED FOR EACH ITEM OF AIR POLLUTION CONTROL EQUIPMENT):

16) WILL EMISSIONS DURING STARTUP EXCEED EITHER THE ALLOWABLE EMISSION RATE PURSUANT TO A SPECIFIC RULE, OR THE ALLOWABLE EMISSION LIMIT AS ESTABLISHED BY AN EXISTING OR PROPOSED PERMIT CONDITION? ☐ YES ☐ NO

IF YES, COMPLETE AND ATTACH FORM 203-CAAPP, "REQUEST TO OPERATE WITH EXCESS EMISSIONS DURING STARTUP OF EQUIPMENT".

17) PROVIDE ANY LIMITATIONS ON SOURCE OPERATION AFFECTING EMISSIONS OR ANY WORK PRACTICE STANDARDS (E.G., ONLY ONE UNIT IS OPERATED AT A TIME):

OPERATING INFORMATION

18) ATTACH THE CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSION RELATED, FROM WHICH THE FOLLOWING OPERATING INFORMATION, MATERIAL USAGE INFORMATION AND FUEL USAGE DATA WERE BASED AND LABEL AS EXHIBIT 366-1. REFER TO SPECIAL NOTES OF FORM 202-CAAPP.

19a) MAXIMUM OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%):	SEP-NOV(%):

MATERIAL USAGE INFORMATION

	MAXIMUM RATES		TYPICAL RATES	
21) RAW MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR

APPLICATION PAGE _____

APPLICABLE RULES

22) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.183, OPERATING PROCEDURES):

REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)

23) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:

REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)

24) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:

REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)

25) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:

REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)

26) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDURES WHICH ARE APPLICABLE TO THIS EMISSION UNIT :

REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)

27) DOES THE EMISSION UNIT QUALIFY FOR AN EXEMPTION FROM AN OTHERWISE APPLICABLE RULE? ☐ YES ☐ NO

IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 366-2, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.

COMPLIANCE INFORMATION

28) IS THE EMISSION UNIT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS?: ☐ YES ☐ NO

IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE -- ADDENDUM FOR NONCOMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.

29) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO BE, OR WAS PREVIOUSLY, DEMONSTRATED:

30) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:

OPERATING AND EQUIPMENT REQUIREMENT

THE CONVEYORIZED SOLVENT DEGREASER SHALL BE OPERATED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED IN 35 ILL. ADM. CODE 218.183 , 219.183, OR 215.183, DEPENDING ON THE LOCATION OF THE PLANT.

31) IS THE DEGREASER EQUIPPED WITH A DRYING TUNNEL, ROTATING (TUMBLING) BASKET OR OTHER EQUIPMENT SUFFICIENT TO PREVENT CLEANED PARTS FROM CARRYING OUT SOLVENT LIQUID OR VAPOR? ☐ YES ☐ NO

32) IS THE DEGREASER EQUIPPED WITH THE FOLLOWING SWITCHES:

a) A DEVICE WHICH SHUTS OFF THE SUMP HEAT SOURCE IF THE AMOUNT OF CONDENSER COOLANT IS NOT SUFFICIENT TO MAINTAIN THE DESIGNED VAPOR LEVEL? ☐ YES ☐ NO

b) A DEVICE WHICH SHUTS OFF THE SPRAY PUMP OR THE CONVEYOR IF THE VAPOR LEVEL DROPS MORE THAN 10 CM (4 IN) BELOW THE BOTTOM CONDENSER COIL? ☐ YES ☐ NO

c) A DEVICE WHICH SHUTS OFF THE SUMP HEAT SOURCE WHEN THE VAPOR LEVEL EXCEEDS THE DESIGN LEVEL? ☐ YES ☐ NO

33) IS THE DEGREASER EQUIPPED WITH OPENINGS FOR ENTRANCES AND EXITS THAT SILHOUETTE WORKLOADS SO THAT THE AVERAGE CLEARANCE BETWEEN THE PARTS AND THE EDGE OF THE DEGREASER OPENING IS LESS THAN 10 CM (4 INCHES), OR LESS THAN 10 PERCENT OF THE WIDTH OF THE OPENING? ☐ YES ☐ NO

34) IS THE DEGREASER EQUIPPED WITH DOWNTIME COVERS FOR CLOSING OFF ENTRANCES AND EXITS WHEN THE DEGREASER IS SHUT DOWN? ☐ YES ☐ NO

35) IS THE DEGREASER EQUIPPED WITH ONE OF THE FOLLOWING CONTROL DEVICES, IF THE AIR/VAPOR INTERFACE IS LARGER THAN 2.0 m^2 (21.6 ft^2):

a) A CARBON ADSORPTION SYSTEM WITH VENTILATION GREATER THAN OR EQUAL TO 15 m^3/min per m^2 (50 ft^3/min per ft^2) OF AIR/VAPOR AREA WHEN DOWNTIME COVERS ARE OPEN, AND EXHAUSTING LESS THAN 25 PPM OF SOLVENT BY VOLUME AVERAGED OVER A COMPLETE ADSORPTION CYCLE? ☐ YES ☐ NO

b) ANY OTHER EQUIPMENT OR SYSTEM OF EQUIVALENT EMISSION CONTROL AS APPROVED BY THE AGENCY AND FURTHER PROCESSED CONSISTENT WITH SECTION 218.108 OR 219.108? (SUCH EQUIPMENT OR SYSTEM MAY INCLUDE A REFRIGERATED CHILLIER) ☐ YES ☐ NO

36) IS AN EXHAUST VENTILATION USED THAT EXCEEDS 20 m^3/min per m^2 (65 ft^3/min per ft^2) OF AREA OF LOADING AND UNLOADING? ☐ YES ☐ NO

IF YES, EXPLAIN:

37) ARE SOLVENT CARRYOUT EMISSIONS MINIMIZED BY:

a) RACKING PARTS FOR BEST DRAINAGE? ☐ YES ☐ NO

b) MAINTAINING THE VERTICAL CONVEYOR SPEED AT LESS THAN 3.3 m/min (11 ft/min)? ☐ YES ☐ NO

38) ARE WASTE SOLVENTS STORED IN COVERED CONTAINERS ONLY? ☐ YES ☐ NO

a) ARE THEY DISPOSED OF IN SUCH A MANNER THAT NO MORE THAN 20% OF THE WASTE SOLVENT (BY WEIGHT) IS ALLOWED TO EVAPORATE INTO THE ATMOSPHERE? ☐ YES ☐ NO

b) IF YES OR NO, EXPLAIN:

39) ARE SOLVENT LEAKS REPAIRED IMMEDIATELY? ☐ YES ☐ NO

40) IS THE SOLVENT, EXITING FROM THE WATER SEPARATOR VISUALLY FREE OF WATER? ☐ YES ☐ NO

41) ARE DOWNTIME COVERS PLACED OVER ENTRANCES AND EXITS OF CONVEYORIZED DEGREASERS IMMEDIATELY AFTER THE CONVEYORS AND EXHAUSTS ARE SHUT DOWN AND NOT REMOVED UNTIL JUST BEFORE START-UP? ☐ YES ☐ NO

TESTING, MONITORING, RECORDKEEPING AND REPORTING

42a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):

PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY

b) BRIEFLY DESCRIBE THE METHOD BY WHICH RECORDS WILL BE CREATED AND MAINTAINED. FOR EACH RECORDED PARAMETER INCLUDE THE METHOD OF RECORDKEEPING, TITLE OF PERSON RESPONSIBLE FOR RECORDKEEPING, AND TITLE OF PERSON TO CONTACT FOR REVIEW OF RECORDS:

PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON

c) IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF THE RECORDS? ☐ YES ☐ NO

IF NO, EXPLAIN:

d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST? ☐ YES ☐ NO

IF NO, EXPLAIN:

43a) DESCRIBE ANY EMISSION MONITORS USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE, INCLUDING ANY OPACITY AND OXYGEN/CO_2 ANALYZERS:

43b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED?

c) DESCRIBE THE LOCATION OF EACH MONITOR

d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE? ☐ YES ☐ NO

IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:

e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS? ☐ YES ☐ NO

IF NO, EXPLAIN:

f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS IN OPERATION? ☐ YES ☐ NO

IF NO, EXPLAIN:

44) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESULTS ARE USED FOR PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE TEST DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING DURING THE TEST AND A SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 366-3:

TEST DATE	TEST METHOD	TESTING COMPANY	OPERATING CONDITIONS	SUMMARY OF RESULTS

45) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUENCY OF REPORT SUBMITTALS TO THE AGENCY:

REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY

(46)EMISSION INFORMATION

REGULATED AIR POLLUTANT		☐ [1]ACTUAL EMISSION RATE ☐ [1]UNCONTROLLED EMISSION RATE					ALLOWABLE BY RULE EMISSION RATE			[2]PERMITTED EMISSION RATE	
		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	[3]OTHER TERMS	[3]OTHER TERMS	[4]DM	[5]RATE (UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON MONOXIDE (CO)	MAXIMUM:						( )	G g			
	TYPICAL:						( )				
LEAD	MAXIMUM:						( )				
	TYPICAL:						( )				
NITROGEN OXIDES (NOx)	MAXIMUM:						( )				
	TYPICAL:						( )				
PARTICULATE MATTER (PART)	MAXIMUM:						( )				
	TYPICAL:						( )				
PARTICULATE MATTER <= 10 MICROMETERS (PM10)	MAXIMUM:						( )				
	TYPICAL:						( )				
SULFUR DIOXIDE (SO2)	MAXIMUM:						( )				
	TYPICAL:						( )				
VOLATILE ORGANIC MATERIAL (VOM)	MAXIMUM:						( )				
	TYPICAL:						( )				
OTHER, SPECIFY: _____	MAXIMUM:						( )				
	TYPICAL:						( )				
EXAMPLE: PARTICULATE MATTER	MAXIMUM:	*5.00*	*21.9*	*0.3 GR/DSCF*		*1*	*6.0 (LBS/HR)*	*212.321*	*26.28*	*5.5 LBS/HR*	*22*
	TYPICAL:	*4.00*	*14.4*	*0.24 GR/DSCF*		*4*	*5.5 (LBS/HR)*	*212.321*	*19.80*		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 366-4.

[1]CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.
[2]PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
[3]PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)
[4]DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)
[5]RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

(47) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION

HAP INFORMATION		☐ [1]ACTUAL EMISSION RATE ☐ [1]UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE	
NAME OF HAP EMITTED	[2]CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	[3]OTHER TERMS	[4]DM	[5]RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
		MAXIMUM:						
		TYPICAL:						
EXAMPLE:		MAXIMUM:	*10.0*	*1.2*		*2*	*98% by wt control device*	*CFR 61*
Benzene	*71432*	TYPICAL:	*8.0*	*0.8*		*2*	*leak-tight trucks*	*61.302(b),(d)*

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 366-5.

[1]PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.
[2]CAS - CHEMICAL ABSTRACT SERVICE NUMBER.
[3]PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).
[4]DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).
[5]RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION

THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.

48) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:

49) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.

50) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):

51) DISCHARGE HEIGHT ABOVE GRADE (FT):

52) GOOD ENGINEERING PRACTICE (GEP) HEIGHT, IF KNOWN (FT):

53) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.

54) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):	b) TYPICAL (ACFM):
55) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):	b) TYPICAL (°F):

56) DIRECTION OF EXHAUST (VERTICAL, LATERAL, DOWNWARD):

57) LIST ALL EMISSION UNITS AND CONTROL DEVICES SERVED BY THIS EXHAUST POINT:

	NAME	FLOW DIAGRAM DESIGNATION
a)		
b)		
c)		
d)		
e)		

THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF READILY AVAILABLE.

58a) LATITUDE:	b) LONGITUDE:	
59) UTM ZONE:	b) UTM VERTICAL (KM):	c) UTM HORIZONTAL (KM):