

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506

SPRINGFIELD, ILLINOIS 62794-9506

FEE DETERMINATION FOR **CONSTRUCTION PERMIT APPLICATION**

F	OR AGENCY USE ONLY	
ID NUMBER:		
PERMIT#:		And the second of the second s
COMPLETE []	DATE COMPLETE:	
CHECK #;	ACCOUNT NAME:	

THIS FORM IS TO BE USED BY ALL SOURCES TO SUPPLY FEE INFORMATION THAT MUST ACCOMPANY ALL

CONSTRUCTION PE COMPLETE. MAKE	RMIT APPLICATI CHECK OR MONI	ONS. EY OF	THIS APPLICATION	CATION MUST INCLUI LE TO THE ILLINOIS E . REFER TO INSTRUC	DE PA	NYMENT IN ONMENTA	<i>FULL TO</i> L PROTEC	BE DEEMED OTION AGENCY.
			SOURCE	INFORMATION				
1) SOURCE NAME: So	oil Vapor Extra	ction	Treatment	System		_		
2) PROJECT NAME: F	Roxana Site			3) SOURCE ID NO. (IF A	APPLIC	CABLE):		
4) CONTACT NAME: K	evin E. Dyer			5) CONTACT PHONE N	UMBEI	^{R;} (618)	288-723	7
			FFF DF	TERMINATION				
6) FILL IN THE FOLL	OWING THREE B	OXES		NED IN SECTIONS 1	THRO	DUGH 4 BE	LOW:	
\$	500	+	\$	500	=	\$		1,000
SECTION :	1 SUBTOTAL		SECTION 2	, 3 OR 4 SUBTOTAL		G	RAND TO	TAL
	SECTION 1:	STA	TUS OF SC	OURCE / PURPOS	E OI	SUBMI	TTAL	
CHECK THE BOX FEE INTO THE SE FOR PURP MAL SYM	THAT APPLIES, E CTION 1 SUBTOT OSES OF THIS FO IOR SOURCE IS A ITHETIC MINOR S ERMIT TO AVOID	NTER AL BO DRM: A SOL OUR CAAI	R THE CORREDX ABOVE. F PROE THAT IS CE IS A SOUP PP PERMIT R	F THE FOLLOWING S ESPONDING FEE IN TI PROCEED TO APPLIC REQUIRED TO OBTA RCE THAT HAS TAKE EQUIREMENTS (E.G., HAT IS NOT A MAJOR	HE BO ABLE AIN A N LIM , FESO	OX TO THE SECTIONS CAAPP PE ITS ON PO OP).	RIGHT A S. RMIT. DTENTIAL	ND COPY THIS
MINOR TO MAJO	OR SOURCE OR	VICE THAT	<u>VERSA</u> . ENT FWILL BECO	R WITH STATUS CHAI ER \$0 AND PROCEED ME SYNTHETIC MINO	TO S	SECTION 2		
	OR SYNTHETI IND PROCEED TO			THAT WILL BECOME	NON	-MAJOR S	OURCE.	\$500
NEW MAJOR OF	SYNTHETIC MI	IOR S	OURCE. EN	TER \$5,000 AND PRO	CEED	TO SECT	ION 4.	SECTION 1 SUBTOTAL
NEW NON-MAJO	R SOURCE. EN	TER \$	500 AND PRO	OCEED TO SECTION S	3.			
DEADLINE FOR	AN AGENCY ER	ROR AL TO	AND IF THE I	O CORRECT AN ISSU REQUEST IS RECEIVE FION CONTROL BOAR TO SECTION 5.	ED WI	THIN THE		
	SE	CTIC	ON 2: SPE	CIAL CASE FILIN	G FE	E		
APPROPRIATE BO AND 4 AND PROCE ADDITION OF PILOT PROJE APPLICATION LAND REMED REVISIONS R	XES, ENTER \$500 EED DIRECTLY TO REPLACEMENT COSTRIAL BURN IS ONLY INVOLVI BIATION PROJECT	OINT OSEC OF C IS BY NG IN IS HODC	HE SECOND CTION 5. OTI ONTROL DE A PERMITTE ISIGNIFICAN DLOGY OR TI	T ACTIVITIES UNDER MING FOR EMISSION	TERM TO SE D UNI 35 IA	INATION A ECTION 3 O TS C 201.210	NBOVE, SH OR 4, AS A	(IP SECTIONS 3 APPROPRIATE,
THIS AGENCY IS AUTHO COULD RESULT IN THE								

FORM IN PROVIDING THIS INFORMATION. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APP	LICA	OIT/	N PA	٩GE

Printed on Recycled Paper 197-FEE

SECTION 3: FEES FOR CURRENT OR PROJECTED NON-MAJOR SOUP	RCES -	
9) IF THIS APPLICATION CONSISTS OF A SINGLE NEW EMISSION UNIT <u>OR</u> NO MORE THAN TWO MODIFIED EMISSION UNITS, ENTER \$500.	9)	500
10) IF THIS APPLICATION CONSISTS OF MORE THAN ONE NEW EMISSION UNIT <u>OR</u> MORE THAN TWO MODIFIED UNITS, ENTER \$1,000.	10)	
11) IF THIS APPLICATION CONSISTS OF A NEW SOURCE OR EMISSION UNIT SUBJECT TO SECTION 39.2 OF THE ACT (I.E., LOCAL SITING REVIEW); A COMMERCIAL INCINERATOR OR A MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR AN EMISSION UNIT DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$15,000.	11)	
12) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.	12)	
13) SECTION 3 SUBTOTAL (ADD LINES 9 THROUGH 12) TO BE ENTERED ON PAGE 1.	13)	500

SECTION 4:	FEES FOR CURRENT OR PROJECTED MAJOR OR S	YNTHETIC MIN	OR SOURCES
Application	14) FOR THE FIRST MODIFIED EMISSION UNIT, ENTER \$2,000.	14)	
Contains Modified Emission Units	15) NUMBER OF ADDITIONAL MODIFIED EMISSION UNITS =X \$1,000.	(15)	
Only	16) LINE 14 PLUS LINE 15, OR \$5,000, WHICHEVER IS LESS.		16)
Application	17) FOR THE FIRST NEW EMISSION UNIT, ENTER \$4,000.	17)	
Contains New And/Or Modified	18) NUMBER OF ADDITIONAL NEW AND/OR MODIFIED EMISSION UNITS = X \$1,000.	18)	
Emission Units	19) LINE 17 PLUS LINE 18, OR \$10,000, WHICHEVER IS LESS.		19)
Application Contains Netting Exercise	20) NUMBER OF INDIVIDUAL POLLUTANTS THAT RELY ON A NETTING EXERCISE OR CONTEMPORANEOUS EMISSIONS DECREASE TO AVOID APPLICATION OF PSD OR NONATTAINMENT NSR =X \$3,000.		20)
	21) IF THE NEW SOURCE OR EMISSION UNIT IS SUBJECT TO SECTION 39.2 OF THE ACT (I.E., SITING); A COMMERCIAL INCINERATOR OR OTHER MUNICIPAL WASTE, HAZARDOUS WASTE, OR WASTE TIRE INCINERATOR; A COMMERCIAL POWER GENERATOR; OR ONE OR MORE OTHER EMISSION UNITS DESIGNATED AS A COMPLEX SOURCE BY AGENCY RULEMAKING, ENTER \$25,000.		21)
	22) IF THE SOURCE IS A NEW MAJOR SOURCE SUBJECT TO PSD, ENTER \$12,000.		(22)
	23) IF THE PROJECT IS A MAJOR MODIFICATION SUBJECT TO PSD, ENTER \$6,000.		23)
Additional	24) IF THIS IS A NEW MAJOR SOURCE SUBJECT TO NONATTAINMENT (NAA) NSR, ENTER \$20,000.		2 <u>4)</u>
Supplemental Fees	25) IF THIS IS A MAJOR MODIFICATION SUBJECT TO NAA NSR, ENTER \$12,000.		(25)
1 2 1	26) IF APPLICATION INVOLVES A DETERMINATION OF CLEAN UNIT STATUS AND THEREFORE IS NOT SUBJECT TO BACT OR LAER, ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. X \$5,000.		26)
1	27) IF APPLICATION INVOLVES A DETERMINATION OF MACT FOR A POLLUTANT AND THE PROJECT IS NOT SUBJECT TO BACT OR LAER FOR THE RELATED POLLUTANT UNDER PSD OR NSR (E.G., VOM FOR ORGANIC HAP), ENTER \$5,000 PER UNIT FOR WHICH A DETERMINATION IS REQUESTED OR OTHERWISE REQUIRED. X \$5,000.		27)
	28) IF A PUBLIC HEARING IS HELD (SEE INSTRUCTIONS), ENTER \$10,000.		28)
29) SECTION 4 SU	BTOTAL (ADD LINES 16 AND LINES 19 THROUGH 28) TO BE ENTE	RED ON PAGE 1.	29)

SECTION 5: CERTI	FICATION
NOTE: APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL	BE DEEMED INCOMPLETE.
30) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFOR INQUIRY, THE INFORMATION CONTAINED IN THIS FEE APPLIC	
88 Lun Illan	Principal Project Manager
SIGNATURE	TITLE OF SIGNATORY
Kevin E. Dyer	12,22,10
TYPED OR PRINTED NAME OF SIGNATORY	DATE



STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL PERMIT SECTION P. O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Faiture to do so could result in the application being denied and penaltios under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

APPLICATION FOR PERMIT (A) FOR AGENCY USE ONLY CONSTRUCT OPERATE I.D. NO. PERMIT NO. NAME OF EQUIPMENT TO BE CONSTRUCTED OR OPERATED DATE (B) THIS APPLICATION FORM IS ONLY FOR SOURCES NOT REQUIRED TO OBTAIN A FESOP OR CAAPP PERMIT PURSUANT SECTION 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT 2a. NAME OF OPERATOR: URS Corporation NAME OF OWNER Shell Oil Products US STREET ADDRESS OF OWNER: STREET ADDRESS OF OPERATOR: 17 Junction Dr., PMB 399 1001 Highlands Plaza Dr. West, Suite 300 1c. CITY OF OWNER: 2c. CITY OF OPERATOR: Glenn Carbon St. Louis 1d. STATE OF OWNER: 1e. ZIP CODE: 2d. STATE OF OPERATOR: 2e. ZIP CODE 63110 62034 STREET ADDRESS OF EMISSION SOURCE: NAME OF CORPORATE DIVISION OR PLANT; corner of Chaffer St. and 8th St. Not Applicable 3g. ZIP CODE: CITY OF EMISSION SOURCE: 3d. LOCATED WITHIN CITY TOWNSHIP: 3f. COUNTY: Roxana LIMITS: X YES NO Woodriver Madison 62048 YOUR DESIGNATION FOR THIS APPLICATION: 101 ALL CORRESPONDENCE TO: (TITLE AND/OR NAME OF INDIVIDUAL) Kevin E. Dyer Roxana Site ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE)

OPERATOR EMISSION SOURCE 6. WHO IS THE PERMIT APPLICANT? NOWNER OPERATOR THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT. BY AFFIXING HIS/HER SIGNATURE HERETO THE UNDERSIGNED FURTHER CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS APPLICATION. AUTHORIZED SIGNATURE(S): SIGNATURE DATE Kevin E. Dver TYPED OR PRINTED NAME OF SIGNER TYPED OR PRINTED NAME OF SIGNER Principal Program Manager TITLE OF SIGNER TITLE OF SIGNER THIS FORM IS TO PROVIDE THE ILLINOIS EPA WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS FORM MAY BE USED TO REQUEST A CONSTRUCTION PERMIT, AN OPERATING PERMIT, OR A JOINT CONSTRUCTION AND OPERATING PERMIT. ENTER THE GENERIC NAME OF THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS NAME WILL APPEAR ON THE PERMIT WHICH MAY BE ISSUED PURSUANT TO THIS APPLICATION. THIS FORM MUST BE ACCOMPANIED BY OTHER APPLICABLE FORMS AND (C) PROVIDE A DESIGNATION IN ITEM 5 ABOVE WHICH YOU WOULD LIKE THE ILLINOIS EPA TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION, YOUR DESIGNATION MUST NOT EXCEED TEN (10) CHARACTERS. (OPTIONAL) (D) THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH 35 ILL. ADM. CODE 201.154 OR 201.159 WHICH STATES: "ALL APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION. IF THE OWNER OR OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE ILLINOIS EPA A CERTIFIED COPY OF A RESOLUTION OF THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.

· BILLING INFORMATION	CONTACT PERSON FOR APPLICATION: Heather Breitenbach
9a. COMPANY NAME:	11. CONTACT PERSON'S TELEPHONE NUMBER:
Same as owner	(314) 429-0100
9b. STREET ADDRESS:	12. CONTACT PERSON'S FACSIMILE NUMBER: (314) 429-0462
9c. CITY:	13. FEDERAL EMPLOYER IDENTIFICATION NUMBER (FEIN): 522074528
9d. STATE: 9f. BILLING CONTACT PERSON:	PRIMARY STANDARD INDUSTRIAL CLASSIFICATION (SIC) CATEGORY: Refined Petroleum Pipeline
9e. ZIP CODE: 9g. CONTACT TELEPHONE NO.:	15. PRIMARY SIC NUMBER: 16. TAXPAYER IDENTIFICATION NUMBER (TIN): 4613 52-2074528
17. DOES THIS APPLICATION CONTAIN FORM 197-FEE, "C	CONSTRUCTION PERMIT APPLICATION FEE DETERMINATION?"
18. DOES THE APPLICATION CONTAIN A PLOT PLAN/MAP YES NO IF THE PLOT PLAN/MAP HAS PREVIOUSLY BEEN SUBI I, D. NO.: IS THE APPROXIMATE SIZE OF APPLICANT'S PREMISI YES NO IF "NO", SPECIFY	MITTED, SPECIFY: APPLICATION NUMBER ES LESS THAN 1 ACRE?
19. DOES THE APPLICATION CONTAIN A PROCESS FLOW PRACTICE? X YES NO	DIAGRAM(S) THAT ACCURATELY AND CLEARLY REPRESENTS CURRENT
20. IS THE EMISSION UNIT COVERED BY THIS APPLICATION IF "YES", PROVIDE THE DATE CONSTRUCTION WAS C	tund tund
21. IF THIS APPLICATION INCORPORATES BY REFERENCE INFORMATION-INCORPORATION BY REFERENCE BEI	E A PREVIOUSLY GRANTED PERMIT(S), HAS FORM APC-210, "DATA AND EN SUBMITTED? YES NO
EXCESS OF APPLICABLE STANDARDS? O YES NO IF "YES", HAS FORM APC-203, "OPERATION DI YES NO	COVERED BY THIS APPLICATION PRODUCE AIR CONTAMINANT EMISSIONS IN JRING STARTUP" BEEN COMPLETED FOR THIS UNIT?
O BREAKDOWNS?	JION TO OPERATE AN EMISSION UNIT DURING MALFUNCTIONS OR JRING MALFUNCTION AND BREAKDOWN" BEEN COMPLETED FOR THIS UNIT?
24. IS AN EMISSION UNIT COVERED BY THIS APP	LICATION SUBJECT TO A FUTURE COMPLIANCE DATE?
TE YES NO	PROGRAM & PROJECT COMPLETION SCHEDULE" BEEN COMPLETED FOR THIS
UNIT? YES NO	TOO TOWN OF TOWN CENTER OF THE SELECTION
25. DOES THE SOURCE COVERED BY THIS APPLIED EPISODE ACTION PLANS)? YES NO	CATION REQUIRE AN EPISODE ACTION PLAN (REFER TO GUIDELINES FOR
26. LIST AND IDENTIFY ALL FORMS, EXHIBITS, AND OTHE PAGE NUMBERS OF EACH ITEM (ATTACH ADDITIONAL	R INFORMATION SUBMITTED AS PART OF THIS APPLICATION. INCLUDE THE SHEETS IF NECESSARY):
197-FEE Pages 1-2	
APC Form 200 Pages 3-4	
APC Form 220 Pages 5-7 APC Form 260 Pages 8-13	
Exhibit 260-1 Page 14	
ProAct cut sheet Page15	
Figure 1 Page 16	
Figure 2 Page 17	
	TOTAL NUMBER OF PAGES17

STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL 1021 NORTH GRAND AVENUE, EAST SPRINGFIELD, ILLINOIS 62702

	1 age 01
* DATA AND INFORMATION	
PROCESS EMISSION SOURCE	
* THIS INFORMATION FORM IS TO BE COMPLETED FOR AN EMISSION SOURCE OTHER TO THE A TOR A FILE COMPLETION EMISSION SOURCE IS A FIRMACE BOILER OR	

PRODUCING HEAT OR POWER BY INDIRECT HEAT TRANSFER. AN INCINERATOR IS AN APPARATUS IN WHICH REFUSE IS BURNED.

1. NAME OF PLANT OWNER:	2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM
Shell Oil Products US	OWNER):
3. STREET ADDRESS OF EMISSION SOURCE:	4. CITY OF EMISSION SOURCE:
corner of Chaffer St. & 8th St.	Roxana

GE	NERAL INFORMATION
NAME OF PROCESS: Soil Vapor Extraction System	NAME OF EMISSION SOURCE EQUIPMENT: Internal Combustion Engine
7. EMISSION SOURCE EQUIPMENT MANUFACTURER: Proact Services Corporation	8. MODEL NUMBER: 9. SERIAL NUMBER: ICE 100
FLOW DIAGRAM DESIGNATION(S) OF EMISSION SOURCE: Internal Combustion Engine Exhaust II. IDENTITY(S) OF ANY SIMILAR SOURCE(S) AT THE PLANT OF ANOTHER APPLICATION, IDENTIFY THE APPLICATION):	R PREMISES NOT COVERED BY THE FORM (IF THE SOURCE IS COVERED BY
12. AVERAGE OPERATING TIME OF EMISSION SOURCE: 16 HRS/DAY 5 DAYS/WK 8 WKS	13. MAXIMUM OPERATING TIME OF EMISSION SOURCE: 24 HRS/DAY 5 DAYS/WK 8 WKS/YR
14. PERCENT OF ANNUAL THROUGHPUT: DEC-FEB 0	% jun-aug <u>0</u> % sept-nov <u>0</u> %

INSTRUCTIONS

- COMPLETE THE ABOVE IDENTIFICATION AND GENERAL INFORMATION SECTION.
- COMPLETE THE RAW MATERIAL, PRODUCT, WASTE MATERIAL, AND FUEL USAGE SECTIONS FOR THE PARTICULAR SOURCE EQUIPMENT. COMPOSITIONS OF MATERIALS MUST BE SUFFICIENTLY DETAILED TO ALLOW DETERMINATION OF THE NATURE AND QUANTITY OF POTENTIAL EMISSIONS. IN PARTICULAR, THE COMPOSITION OF PAINTS, INKS, ETC., AND ANY SOLVENTS MUST BE FULLY DETAILED.
- EMISSION AND EXHAUST POINT INFORMATION MUST BE COMPLETED, UNLESS EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.
- OPERATION TIME AND CERTAIN OTHER ITEMS <u>REQUIRE</u> BOTH <u>AVERAGE</u> AND <u>MAXIMUM</u> VALUES FOR GENERAL INFORMATION REFER TO "GENERAL INSTRUCTIONS FOR PERMIT <u>APPLICATIONS</u>," APC-201

DEFINITIONS

AVERAGE - THE VALUE THAT SUMMARIZES OR REPRESENTS THE GENERAL CONDITION OF THE EMISSION SOURCE, OR THE GENERAL STATE OF PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:

AVERAGE OPERATING TIME - ACTUAL TOTAL HOURS OF OPERATION FOR THE PRECEDING TWELVE MONTH PERIOD.

AVERAGE RATE - ACTUAL TOTAL QUANTITY OF "MATERIAL" FOR THE PRECEDING TWELVE MONTH PERIOD, DIVIDED BY THE AVERAGE OPERATING TIME.

AVERAGE OPERATION - OPERATION TYPICAL OF THE PRECEDING TWELVE MONTH PERIOD, AS REPRESENTED BY AVERAGE OPERATING TIME AND AVERAGE RATES.

MAXIMUM - THE GREATEST VALUE ATTAINABLE OR ATTAINED FOR THE EMISSION SOURCE, OR THE PERIOD OF GREATEST OR UTMOST PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:

MAXIMUM OPERATING TIME - GREATEST EXPECTED TOTAL HOURS OF OPERATIONS FOR ANY TWELVE MONTH PERIOD. MAXIMUM RATE - GREATEST QUANTITY OF "MATERIAL" EXPECTED PER ANY ONE HOUR OF OPERATION.

MAXIMUM OPERATION - GREATEST EXPECTED OPERATION, AS REPRESENTED BY MAXIMUM OPERATING TIME AND MAXIMUM RATES.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section, Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

IL 532-0250 APC 220 Rev. 1/27/77 PAGE 1 OF 3

090-008

RAW MAT	TERIAL INFORMATION	1	
NAME OF RAW MATERIAL		RAGE RATE TICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
^{20a.} Contaminated soil vapor at 50, 75, 90 cfm	b.	LB/HR	c. LB/HR
21a.	ს.	LB/HR	e. LB/HR
22a.	b.	LB/HR	c. LB/HR
23a.	b.	LB/HR	c. LB/HR
24a.	b.	LB/HR	c. LB/HR

	PRODUCT INFORMATION			
NAME OF PRODUCT	AVERAGE RATE PER IDENTICAL SOURCE		MAXIMUM RATE PER IDENTICAL SOURCE	
30a. Treated soil vapor	b.	LB/HR	c. LB/I	/HR
31a.	b.	LB/HR (c. LB/1	/HR
32a.	b.	LB/HR	c. LB/I	/HR
33a.	b.	LB/HR	с	/HR
34a.	b.	LB/HR	c. LB/I	/HR

WASTE	MATERIAL INFORMATIC	И	
name of waste material	4	RAGE RATE TICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
^{40a,} None	b.	LB/HR	c. LB/HR
41a.	b.	LB/HR	c. LB/HR
42a.	b.	LB/HR	LB/HR
43a.	b.	LB/HR	LB/HR
44a.	b.	LB/HR	c. LB/HR

			*FUEL USAGE	INFORMATION			
FUEL USED			TY	PE		HEAT CONTEN	Γ
50a. NATURAL GAS		b.	**************************************		Ç,	1000 BTU/SCF	
OTHER GAS						•	BTU/SCF
OIL							BTU/GAL
COAL							BTU/LB
OTHER							BTU/LB
d. AVERAGE FIRING RATE PE	R IDENTICAL SOU	JRCE:		e. MAXIMUM FIR	ING RATE	PER IDENTICAL SOURCE:	
			BTU/HR				BTU/HR

*THIS SECTION IS TO BE COMPLETED FOR ANY FUEL USED DIRECTLY IN THE PROCESS EMISSION SOURCE, E. G. GAS IN A DRYER, OR COAL IN A MELT FURNACE.

				*EMISSION INFORMAT	МОГ
51. NUMBER OF ID	ENTICAL SOU	RCES (DESCRIBE	AS REQ	UIRED):	
				AVERAGE OPERATION)N
CONTAMINANT	CONCENT	RATION <u>OR</u> EMIS	SION RA	TE PER IDENTICAL	METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
PARTICULATE MATTER	52a.	GIVSCF	b.	LB/HR	C.
CARBON MONOXIDE	53a.	PPM (VOL)	ъ.	LB/HR	c.
NITROGEN OXIDES	54a.	PPM (VOL)	b.	LB/HR	c.
ORGANIC MATERIAL	55a.	PPM (VOL)	b.	LB/HR	c.
SULFUR DIOXIDE	56a.	(VOL)	b.	LB/HR	C.
**OTHER (SPECIFY)	57a.	PPM (VOL)	b.	0.42 lb/hr	c. HAPS (see APC form 260)
			· · · · · · · · · · · · · · · · · · ·	MAXIMUM OPERATIO	
CONTAMINANT	CONCENTI SOURCE	RATION <u>OR</u> EMIS	SION RA	TE PER IDENTICAL	METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
PARTICULATE MATTER	58a.	GR/SCF	ъ.	LB/HR	c.
CARBON MONOXIDE	59a.	PPM (VOL)	b.	LB/HR	c.
NITROGEN OXIDES	60a.	PPM (VOL)	ъ.	LB/HR	c.
ORGANIC MATERIAL	61a.	PPM (VOL)	b.	LB/HR	c.
BULFUR DIOXIDE	62a.	PPM (VOL)	b.	LB/HR	C.
**OTHER SPECIFY)	63a.	PPM (VOL)	b.	0.76 LB/HR	C. HAPS (see APC form 260)

*ITEMS 52 THROUGH 63 NEED NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.
***OTHER" CONTAMINANT SHOULD BE USED FOR AN AIR CONTAMINANT NOT SPECIFICALLY NAMED ABOVE. POSSIBLE OTHER
CONTAMINANTS ARE ASBESTOS, BERYLLIUM, MERCURY, VINYL CHLORIDE, LEAD, ETC.

		***EXHAUST POI	nt information
64.	FLOW DIAGRAM DESIGNATION(S) OF EXHAUST F Internal Combustion Engine Exhaust	OINT:	
65.	DESCRIPTION OF EXHAUST POINT (LOCATION IN 2" galvanized steel air stack from top of		JILDINGS, DIRECTION, HOODING, ETC.):
66.	EXIT HEIGHT ABOVE GRADE:	14ft.	67. EXIT DIAMETER: 2in.
68.	GREATEST HEIGHT OF NEARBY BUILDINGS:	N/A	69. EXIT DISTANCE FROM NEAREST PLANT BOUNDARY: <100ft.
	AVERAGE OPERATION		MAXIMUM OPERATION
70.	EXIT GAS TEMPERATURE:	770 °F	72. EXIT GAS TEMPERATURE: 770 °F
71.	GAS FLOW RATE THROUGH EACH EXIT:	80 ACFM	73. GAS FLOW RATE THROUGH EACH EXIT: 80 ACFM

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

STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL 1021 NORTH GRAND AVENUE, EAST SPRINGFIELD, ILLINOIS 62702

	Page of
* DATA AND INFORMATION	
AIR POLLUTION CONTROL EQUIPMENT	

* THIS INFORMATION FORM IS TO BE COMPLETED FOR AN EMISSION SOURCE OTHER THAN A FUEL COMBUSTION EMISSION SOURCE OR AN INCINERATOR. A FUEL COMBUSTION EMISSION SOURCE IS A FURNACE, BOILER, OR SIMILAR EQUIPMENT USED PRIMARILY FOR PRODUCING HEAT OR POWER BY INDIRECT HEAT TRANSFER. AN INCINERATOR IS AN APPARATUS IN WHICH REFUSE IS BURNED.

1.	NAME OF OWNER: Shell Oil Products US	NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER):
3.	STREET ADDRESS OF CONTROL EQUIPMENT: corner of Chaffer St. and 8th St.	CITY OF CONTROL EQUIPMENT Roxana
5.	NAME OF CONTROL EQUIPMENT OR CONTROL SYSTEM:	
Sc	oil Vapor Extraction/Treatment System with Internal Combu	stion Engine

INSTRUCTIONS

- COMPLETE THE ABOVE IDENTIFICATION SECTION.
- COMPLETE THE APPROPRIATE SECTION FOR THE UNIT OF CONTROL EQUIPMENT, OR THE APPROPRIATE SECTIONS FOR THE CONTROL SYSTEM. BE CERTAIN THAT THE ARRANGEMENT OF VARIOUS UNITS IN A CONTROL SYSTEM IS MADE CLEAR IN THE PROCESS FLOW DIAGRAM.
- COMPLETE PAGE 6 OF THIS FORM, EMISSION INFORMATION AND EXHAUST POINT INFORMATION.
- EFFICIENCY VALUES SHOULD BE SUPPORTED WITH A DETAILED EXPLANATION OF THE METHOD OF CALCULATION. THE MANNER OF ESTIMATION, OR THE SOURCE OF INFORMATION. REFERENCE TO THIS FORM ANY RELEVANT INFORMATION OR EXPLANATION INCLUDED IN THIS PERMIT APPLICATION.
- EFFICIENCY VALUES AND CERTAIN OTHER ITEMS OF INFORMATION ARE TO BE GIVEN FOR AVERAGE AND MAXIMUM OPERATION OR THE SOURCE EQUIPMENT. FOR EXAMPLE, "MAXIMUM EFFICIENCY" IS THE EFFICIENCY OF THE CONTROL EQUIPMENT WHEN THE SOURCE IS AT MAXIMUM OPERATION, AND "AVERAGE FLOW RATE" IS THE FLOW RATE INTO HE CONTROL EQUIPMENT WHEN THE SOURCE IS AT AVERAGE OPERATION.
- FOR GENERAL INFORMATION REFER TO "GENERAL INSTRUCTIONS FOR PERMIT APPLICATIONS," APC-201

DEFINITIONS

AVERAGE - THE VALUE THAT SUMMARIZES OR REPRESENTS THE GENERAL CONDITION OF THE EMISSION SOURCE, OR THE GENERAL STATE OF PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:

AVERAGE OPERATION - OPERATION TYPICAL OF THE PRECEDING TWELVE MONTH PERIOD, AS REPRESENTED BY AVERAGE OPERATING TIME AND AVERAGE RATES.

MAXIMUM - THE GREATEST VALUE ATTAINABLE OR ATTAINED FOR THE EMISSION SOURCE, OR THE PERIOD OF GREATEST OR UTMOST PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:
MAXIMUM OPERATION - GREATEST EXPECTED OPERATION, AS REPRESENTED BY MAXIMUM OPERATING TIME AND MAXIMUM RATES

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

	Page of
ADSOR	PTION UNIT
I. FLOW DIAGRAM DESIGNATION(S) OF ADSORPTION UNIT:	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. ADSORBENT: ACTIVATED CHARCOAL: TYPE	OTHER: SPECIFY
5. ADSORBATE(S):	
6. NUMBER OF BEDS PER UNIT:	7. WEIGHT OF ABSORBENT PER BED: LB
8. DIMENSIONS OF BED: THICKNESSIN, SURFACE AREAS	QUARE IN
9. INLET GAS TEMPERATURE: °F	9. PRESSURE DROP ACROSS UNIT: INCH H₂O GAUGE
11. TYPE OF REGENERATION: REPLACEMENT STEAM OTHER: SPECIFY	
12. METHOD OF REGENERATION: ALTERNATE USE OF ENTIRE UNITS SOURCE SHUT DOWN OTHER: DESCRIBE	ALTERNATE USE OF BEDS IN A SINGLE UNIT
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
13. TIME ON LINE BEFORE REGENERATION: MIN/BED	15. TIME ON LINE BEFORE REGENERATION: MIN/BED
14. EFFICIENCY OF ABSORBER (SEE INSTRUCTION 4): %	16. EFFICIENCY OF ABSORBER (SEE INSTRUCTION 4): %

,	AFTERI	BURNER
FLOW DIAGRAM DESIGNATION(S) OF AFTERBURNER:		
2. MANUFACTURER:		3. MODEL NAME AND NUMBER:
4. COMBUSTION CHAMBER DIMENSIONS:		
LENGTHIN, CROSS-SECTIONAL AREA		SQUARE IN
5. INLET GAS TEMPERATURE:		7. FUEL:
	۰F	GAS OIL: SULFUR WT%
6. OPERATING TEMPERATURE OF COMBUSTION CHAMBER:		8. BURNERS PER AFTERBURNER:
	°F	@BTU/HR EACH
9. CATALYST USED:		
□ NO □ YES: DESCRIBE CATALYST		
10. HEAT EXCHANGER USED:		
NO YES: DESCRIBE HEAT EXCHANGER		
AVERAGE OPERATION OF SOURCE		MAXIMUM OPERATION OF SOURCE
11. GAS FLOW RATE:		13. GAS FLOW RATE:
S:	CFM	SCFM
12. EFFICIENCY OF AFTERBURNER (SEE INSTRUCTION 4):		14. EFFICIENCY OF AFTERBURNER (SEE INSTRUCTION 4):
	%	%

	Page of
	CLONE
1. FLOW DIAGRAM DESIGNATION(S) OF CYCLONE:	
2. MANUFACTURER:	3. MODEL:
4. TYPE OF CYCLONE:	S. NUMBER OF CYCLONES IN EACH MULTIPLE CYCLONE:
SIMPLE MULTIPLE	The state of the s
6. DIMENSION THE APPROPRIATE SKETCH (IN INCHES) OR PROVIDE	A DRAWING WITH EQUIVALENT INFORMATION:
TANGENTIAL INLET CYCLONE	AXIAL INLET CYCLONE (INDIVIDUAL CYCLONE OF MULTIPLE CYCLONE)
GAS OUT	
GAS IN SECTION	GAS IN VANE ANGLE DEGREES SECTION
NOT T	O SCALE
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
7. GAS FLOW RATE:	9. GAS PLOW RATE:
SCFM	SCFM
R. EFFICIENCY OF CYCLONE (SEE INSTRUCTION 4):	10. EFFICIENCY OF CYCLONE (SEE INSTRUCTION 4):

	Pageof
CON	DENSER
1. FLOW DIAGRAM DESIGNATION(S) OF CONDENSER:	
2. MANUFACTURER: 3. MODEL NAME A	ND NUMBER: 4. HEAT EXCHANGE AREA: FT ²
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
5. COOLANT FLOW RATE PER CONDENSER:	10. COOLANT FLOW RATE PER CONDENSER:
WATER GPM AIR SCFM OTHER: TYPE, FLOW RATE	WATER GPM AIR SCFM OTHER: TYPE , FLOW RATE
6. GAS FLOW RATE: SCFM	11. GAS FLOW RATE: SCFM
7. COOLANT TEMPERATURE: 8. GAS TEMPERATURE:	12. COOLANT TEMPERATURE: 13. GAS TEMPERATURE: INLET°F OUTLET°F INLET°F OUTLET°F
INLET°F OUTLET°F INLET°F OUTLET°F 9. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4):	INLET°F OUTLET°F INLET°F OUTLET°F 14. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4):
9. EFFICIENCY OF CONDENSER (SEE INSTRUCTION 4).	14. EFFICIENCE OF CONDENSER (SEE INSTRUCTION 4).
*ELECTRICAL	L PRECIPITATOR
1. FLOW DIAGRAM DESIGNATION(S) OF ELECTRICAL PRECIPITATOR	3:
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. COLLECTING ELECTRODE AREA PER CONTROL DEVICE:	
4. COLLECTING ELECTRODE AREA PER CONTROL DEVICE:	FT ²
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
5. GAS FLOW RATE: SCFM	7. GAS FLOW RATE: SCFM
6. EFFICIENCY OF ELECTRICAL PRECIPITATOR (SEE INSTRUCTION 4) %	8. EFFICIENCY OF ELECTRICAL PRECIPITATOR(SEE INSTRUCTION 4): %
SUBMIT THE MANUFACTURER'S SPECIFICATIONS FOR THE ELECTR	ICAL PRECIPITATOR. REFERENCE THE INFORMATION TO THIS FORM.
FILTE	er unit
1. FLOW DIAGRAM DESIGNATION(S) OF FILTER UNIT:	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. FILTERING MATERIAL:	5. FILTERING AREA:
6. CLEANING METHOD: SHAKER REVERSE AIR PULSE AIR PULSE JET	OTHER: SPECIFY
	, P.L., DIAMIN.
BLEED-IN AIR WATER SPRAY OTHER: SPECIFY	
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
8. GAS FLOW RATE (FROM SOURCE): SCFM	12. GAS FLOW RATE (FROM SOURCE): SCFM
9. GAS COOLING FLOW RATE: BLEED-IN AIR SCFM, WATER SPRAY GPM	13. GAS COOLING FLOW RATE: BLEED-IN AIR SCFM, WATER SPRAY GPM
10. INLET GAS CONDITION:	14. INLET GAS CONDITION:
TEMPERATURE °F DEWPOINT °F	TEMPERATURE °F DEWPOINT °F
11. EFFICIENCY OF FILTER UNIT (SEE INSTRUCTION 4):	15. EFFICIENCY OF FILTER UNIT (SEE INSTRUCTION 4):

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	UBBER
FLOW DIAGRAM DESIGNATION(S) OF SCRUBBER:	
2. MANUFACTURER:	3. MODEL NAME AND NUMBER:
4. TYPE OF SCRUBBER:	
HIGH ENERGY: GAS STEAM PRESSURE DROPIN	ICH H ₂ O
PACKED: PACKING TYPE, PACKING SIZE	, PACKING HEIGHT IN.
SPRAY: NUMBER OF NOZZLES, NOZZLE PRESSU	JREPSIG
OTHER: SPECIFY ATTACH DESCRIPTION AND S 5. TYPE OF FLOW:	KETCH WITH DIMENSIONS
COCURRENT COUNTERCURRENT CROSSFLOW	
6. SCRUBBER GEOMETRY: LENGTH IN DIRECTION OF GAS FLOW IN., CROSS-S	ECTIONAL AREA SOUARE IN
7. CHEMICAL COMPOSITION OF SCRUBBANT:	
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
8. SCRUBBANT FLOW RATE:	12. SCRUBBANT FLOW RATE:
GPM .	GPM
9. GAS FLOW RATE: SCFM	13. GAS FLOW RATE: SCFM
10. INLET GAS TEMPERATURE: *F	14. INLET GAS TEMPERATURE: °F
EFFICIENCY OF SCRUBBER (SEE INSTRUCTION 4): % PARTICULATE % GASEOUS	15. EFFICIENCY OF SCRUBBER (SEE INSTRUCTION 4): ### ARTICULATE ### GASEOUS
OTHER TYPE OF CO	ONTROL EQUIPMENT
1. FLOW DIAGRAM DESIGNATION(S) OF "OTHER TYPE" OF CONTROL	•
2. GENERIC NAME OF "OTHER" EQUIPMENT: 3. MANUFACTURE	
5. DESCRIPTION AND SKETCH, WITH DIMENSIONS AND FLOW RATES	G, OF "OTHER" EQUIPMENT:
•	
	•
	1
AVERAGE OPERATION OF SOURCE	MAXIMUM OPERATION OF SOURCE
6 FLOW RATES:	8 FLOW PATES:
GPM 50 SCFM 7. EFFICIENCY OF "OTHER" EQUIPMENT (SEE INSTRUCTION 4):	GPM 90 SCFM 9. EFFICIENCY OF "OTHER" EQUIPMENT (SEE INSTRUCTION 4):
96-99%	96-99 %

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			E	MISSION INFORMAT	ION
I. NUMBER OF ID	ENTICAL CO	NTROL UNITS OR C	CONTROL	SYSTEMS (DESCRIBI	E AS REQUIRED):
	T			AVERAGE OPERATION	
CONTAMINANT		NTRATION OR EMIS CONTROL UNITS O		TE PER IDENTICAL OL SYSTEM	METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
PARTICULATE MATTER	2a.	GR/\$CF	Ъ.	LB/HR	C.
CARBON MONOXIDE	3a.	PPM (VOL)	Ъ.	LB/HR	c.
NITROGEN OXIDES	4a.	PPM (VOL)	b.	LB/HR	c.
ORGANIC MATERIAL	Sa.	PPM (VOL)	b.	LB/HR	C.
SULFUR DIOXIDE	6a,	PPM (VOL)	ъ.	LB/HR	c.
**OTHER (SPECIFY)	7a.	PPM (VOL)	b .	0.42 LB/HR	c. HAPS (see Exhibit 260-1)
	· 			MAXIMUM OPERATIO	ON .
CONTAMINANT		TRATION OR EMIS			METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
PARTICULATE MATTER	8a.	GR/SCF	b.	LB/HR	c.
CARBON MONOXIDE	9a.	PPM · (VOL)	b.	LB/HR	c.
NITROGEN OXIDES	10a.	PPM (VOL)	b.	LB/HR	c.
ORGANIC MATERIAL	11a.	PPM (VOL)	b.	LB/HR	C.
SULFUR DIOXIDE	12a.	PPM (VOL)	b.	LB/HR	¢.
**OTHER (SPECIFY)	13a.	PPM (VOL)	b.	0.76 lb/hr	c. HAPS (see Exhibit 260-1)

^{**&}quot;OTHER" CONTAMINANT SHOULD BE USED FOR AN AIR CONTAMINANT NOT SPECIFICALLY NAMED ABOVE. POSSIBLE OTHER CONTAMINANTS ARE ASBESTOS, BERYLLIUM, MERCURY, VINYL CHLORIDE, LEAD, ETC.

	EXHAUST POINT INFORMATION							
1.	FLOW DIAGRAM DESIGNATION(S) OF EXHAUST POINT: Internal Combustion Engine Exhaust							
2.	DESCRIPTION OF EXHAUST POINT (LOCATION IN RELATION TO BUILDINGS, DIRECTION, HOODING, ETC.): 2" galvanized steel air stack from top of enclosure							
3,	exit height above grade: 14ft.	4. EXIT DIAMETER: 2in.						
5.	GREATEST HEIGHT OF NEARBY BUILDINGS: N/A	6. EXIT DISTANCE FROM NEAREST PLANT BOUNDARY: <100ft.						
	AVERAGE OPERATION	MAXIMUM OPERATION						
7.	EXIT GAS TEMPERATURE: 770 °F	9. EXIT GAS TEMPERATURE: 770 °F						
8.	GAS FLOW RATE THROUGH EACH EXIT: 80 ACFM	10. GAS FLOW RATE THROUGH EACH EXIT: 80 ACFM						

Exhibit 260-1 SVE Pilot Test System Description and Emission Calculations

Shell Oil Products US will be conducting a pilot test at the Roxana site as shown in Figure 1. Two extraction wells will be used to extract soil vapor using an extraction/treatment system consisting of an internal combustion engine (ICE), a knockout tank, and water pump and storage as shown in Figure 1 and the attached cut sheet. The motor for the ICE will be used to develop the vacuum pressure necessary to extract and convey the soil vapor to a knockout tank, where the soil vapor and condensate water will be separated. The vapors will be conveyed by vacuum to the ICE unit for destruction of hydrocarbon constituents. The condensate water will be conveyed by a water pump to a holding tank for subsequent transport and treatment/discharge.

The pilot test will be conducted on up to two extraction wells; one near VMP-4 and the other near VMP-13 at the POTW, as shown on Figure 2. For the purposes of this application and the mass removal calculations, it has been assumed that the pilot test will be completed on both wells. Each extraction well will be operated at different vapor flow rates for several weeks and will be subject to the data collected and field discretion during the pilot test. During operation of each extraction well, the ICE will extract vapor at three test rates: 50, 75, and 90 cubic feet per minute (cfm). At 50 cfm approximately two pore volumes will be removed per day from the subsurface.

An ICE unit will be used throughout each pilot test to combust volatiles in the extracted vapor. The engine's hydrocarbon destruction efficiency is estimated at 96 percent. The maximum rated hydrocarbon loading to the engine is 250 pounds per day. Based on the anticipated destruction efficiency and the maximum loading rate, the maximum controlled hydrocarbon mass emission rate is 0.76 pounds per hour (lb/hr) as shown in Table 1 below.

Table 1: Calculation of HAPS Emissions

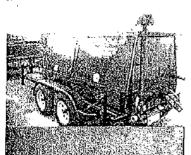
	Volume	HAPS	HAPS			
Avg	flow	mass flow	mass flow		emission	emission
HAPS	rate	rate	rate		rate	rate
(mg/m³)	(cfm)	(kg/day)	(lb/day)	Efficiency	(lb/day)	(lb/hr)
56500	50	115.21	254.02	0.96	10.16	0.423
56500	75	172.81	381.03	0.96	15.24	0.635
56500	90	207.37	457.23	0.96	18.29	0.762



8 Cylinder

Internal Combustion Engine (ICE)
Propane or Natural Gas

Environmental Treatment Specialists



General Specifications: 100 SCFM @20" Hg Air treatment by engine

8 SCFM @100 PSI (option)

3 GPM auto water dump system (option)

Trailer: 6ft wide x 24 ft long x 6 ft height

7,500 pound double axle wheel trailer

Main Equipment: 4.6 Liter 8 cylinder Ford engine

Flame Arrestor 2-catalytic converters

Knock out tank w/ particulate filter

Air compressor (option)

Auto water dump system (option)

Vacuum & Pressure gauges, sample ports

Trailer Specifications: System is mounted and enclosed in a custom trailer

Control Panel: PLC (Phoenix 1,000 Controller)

On/Off switch all components
Low oil, High temp shut down
Well valve control system
Interlock connections

Inlet Hose Connection: 1 - Male carnlock 2" inlet fittings (10 ft hose w/system)

Outlet Hose Connection: 2" air stack from top of enclosure (14 ft. high)

Power Requirements: Propane or Natural Gas connection

Services Corporation.

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or 713-202-6351

idwest Office: 231-342-1115 ast Coast Office: 203-262-1200

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