## STATE OF MISSISSIPPI DEPT. OF ENVIRONMENTAL QUALITY OFFICE OF POLLUTION CONTROL P.O. BOX 10385 JACKSON, MS 39289-0385 (601) 961-5171

## APPLICATION FOR AIR POLLUTION CONTROL PERMIT TO CONSTRUCT AND/OR OPERATE AIR EMISSIONS EQUIPMENT

TYPE OF PERMIT	а
New Source	
Modification	
Renewal of Operating Permit	
Existing Source Operating Permit	
Name Red Parther Chemical Co.	
Location: City Clarkele County Coakon	4
Facility No. (if known) 0540 -000(0	

### APPLICATION FOR PERMIT TO CONSTRUCT AND/OR OPERATE AIR EMISSIONS EQUIPMENT GENERAL FORM

		ress & Contact for the Owner/Applicant
Α.	Name	Red Panther Chemical Co.
В.	Maili	ing Address
	1. 2. 4.	Street Address of P.O. Box P.O. Box 550  City Clarksdale 3. State MS  Zip Code 38614 5. Telephone No. (601) 627-4731
c.	Conta	ict
	1.	Name Bobby Cain 2. Title Quality Control Manager
Name,	Addı	ress, Location and Contact for the Facility
Α.	Name	Red Ponther Chemical Co.
В.	Maili	ing Address
	1.	Street Address of P.O. Box P.O. Box 550
		City Clarksdale. 3. State MS  Zip Code 38614 5. Telephone No. (601) 627-4731
	٠.	Zip Code 386/4 5. Telephone No. (60() 627-4731
C.		Location
	1.	Street Normandy & Pattern Streets
		City Classisse 3. County Cochona  State M5 5. Zip Code 38614
(0)	6.	Telephone No. (601) 627-4731
	attac	If the facility is located outside the City limits, please the approximate location to application.
D.	Conta	ct
¥	1.	Name Bobby Cair 2. Title Quality Control Manager
sic c	ode _	2.879
Numbe	r of	Employees (OO .
Princ	ipal	Product(s) <u>Lacitational Productions</u>
Princ	ipal	Raw Materials Agricultural restrictes
Princ	ipal	Process(es) Formulation of light and foundaring back
Maxim per d	ium am lay	bount of principal product produced or raw material consumed
	B.  C.  Name, A.  B.  C.  Number Prince Prince Prince Maxim	B. Maili  1. 2. 4.  C. Conta  1.  Name, Addr  A. Name  B. Maili  1. 2. 4.  C. Site  1. 2. 4.  6.  Note: attac this  D. Conta  1.  SIC Code  Number of Principal Principal Principal Principal Maximum am

9.	Operating Schedule
	A. Specify maximum hours per day the operation will occur: $\frac{24}{}$
	B. Specify maximum days per week the operation will occur:
	C. Specify maximum weeks per year the operation will occur: 52
	D. Specify the months the operation will occur: January through December
10.	Only if this application is for Operating Permit renewal, has the facility been modified in any way (including production rate, fuel, and/or raw material changes) during period covered by the Operating Permit?YesNo If yes, give year(s) in which modification(s) occurred and explain
11.	If after August 7, 1977, provide the date construction commenced.  Plant was sonstructed in the 1950's
12.	If after August 7, 1977, provide the date operation began. See showe
13.	Please list the dates of any modifications or emissions increases since
	August 7, 1977.  1985 (Building 5 #11, #12, and #13 were rebuilt after a  Fire domaged them in 1985.)
	fire damaged them in 1985.)
14.	EACH APPLICATION MUST BE SIGNED BY THE APPLICANT.
w	If the applicant is a corporation, it must be signed by a corporate officer as defined in Regulation APC-S-2. If the applicant is a partnership, it must be signed by a partner with authority to bind the partnership. In the case of a governmental agency, the application must be signed by the facility manager or senior staff officer responsible for the installation's or facility's environmental compliance.
	I certify that I am familiar with the information contained in the application and that to the best of my knowledge and belief such information is true, complete, and accurate, and that, as an appropriate representative of the applicant, my signature shall constitute an
	agreement that the applicant assumes the responsibility for any alterations, additions or changes in operation that may be necessary to achieve and maintain compliance with all applicable Rules and
	Regulations.
	Boday Call Paris Paris Proper
Prin	ted Name of Person Signing  Title
	19/20/91 Boths Cain
Date	Application Signed Signature of Applicant

PLEASE COMPLETE FOLLOWING PAGES WHERE APPLICABLE

### **GENERAL INFORMATION & INSTRUCTIONS**

- The application is designed to obtain information to allow evaluation of a number of different types of air emission facilities. If the space provided in the application is not adequate or does not fit your air emissions equipment, you may use a separate sheet(s) to provide the necessary information.
- Permits will be valid only for those operations, pollutants, and pollutant emission rates identified in the application. As a minimum, the application must identify the following:
  - A. <u>All</u> operations or equipment having air emissions. For each, specify the maximum schedule, the maximum operating rate and the expected operating rate, if different from the maximum.
  - B. Emission rates (in units of the applicable emission standard as well as lbs/hr and tons/year) for each air pollutant subject to regulation under the Federal Act that can be reasonably expected to be emitted from each independent emission point. The following emission rates shall be provided in the EMISSIONS SUMMARY SECTION:
    - Potential Uncontrolled Emissions this emission rate is defined in Regulation APC-S-2, amended April 25, 1991.
    - Proposed Emission Rate the maximum emission rate at which the applicant proposes to operate the emission point.

EMISSION RATE CALCULATIONS MUST BE PROVIDED.

C. The exhaust or stack parameters for each emission source (height, velocity, diameter, and temperature) shall be provided in the EMISSIONS SUMMARY SECTION.

APPLICATION FOR AIR POLLUTION CONTROL PERMIT

ADDITIONAL INFORMATION REQUIRED FOR MODIFICATIONS, EXISTING SOURCE OPERATING

PERMITS, AND/OR APPROVAL TO CONSTRUCT

The following additional information must be submitted in duplicate. Failure to submit any of the additional information or to conform to the instructions may result in initial rejection of the application.

- Design Calculations and Specifications all data and calculations used in selecting or designing process and control equipment.
- 2) Site Drawings the drawing(s) or sketch(s) must be to scale and show at least the following:
  - A. The property involved with dimensions, clearly defining restricted entry boundaries and, if different, the total property boundaries.
  - B. Location and identification of all existing and/or proposed buildings, structures, and/or equipment, including points of discharge of air contaminants to the atmosphere, drawn to scale and in proper orientation.
  - C. The dimensions (length, width) of all buildings, structures, and/or equipment, including emission points.
  - D. The elevation of all buildings, structures, and/or equipment, including emission points, showing heights, grade baseline, and grade baseline height above mean sea level.
  - E. Primary compass direction indicator.
  - F. Location of streets and all adjacent properties. Show location of all buildings outside the property that are within 150 feet of the equipment involved in the application. Identify all such buildings (as a residence, apartment, warehouse, etc.), specifying number of stories or approximate height, and indicate the prevailing wind direction.

- 3) Construction Drawings (See Note Below) an assembly drawing, dimensioned and to scale, in as many sections as are needed to show clearly the design and operation of the equipment and the means by which air contaminants are controlled. The following must be shown:
  - A. Size and shape of equipment. Show exterior and interior dimensions and features.
  - B. Locations, sizes, and shape details of all features which may affect the production, collection, conveying or control of air contaminants of any kind; location, size and shape details concerning all materials handling equipment.

NOTE: Structural design calculations and details are not required.

- Description of Process and Control Equipment a written description of each process to be carried out in the facility and the function of the equipment used in the process. The descriptions must be complete and particular attention must be given to explaining all stages in the process where the discharge of any materials might contribute in any way to air pollution. Control procedures must be described in sufficient detail to show the extent of control of air contaminants anticipated in the design, specifying the expected efficiencies of the capture systems and the control devices. All obtainable data must be supplied concerning the nature, volumes, particle size, weights, chemical composition and concentrations of all types of air contaminants.
- 5) Block Flow Diagram a diagram showing the steps of the process and the flow of materials through the process and any control devices.

Additional information may be required as is necessary to evaluate the design adequacy of the facility or to comply with the requirements of the Prevention of Significant Deterioration (PSD) Regulations.

ALL ENGINEERING PLANS AND SPECIFICATIONS MUST BEAR THE SIGNATURE, REGISTRATION NUMBER, AND SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI.

### EMISSIONS SUMMARY SECTION PART I

			STACK	PARAMETERS			
      Reference	Stack Height	Inside     Exit Dia.	Exit Gas Velocity	   Exit Gas   Volume		U.T. Coordi Zone	
Number	(feet)	(feet)	(ft/sec)	(acfm)	(°F)	East	North
	121	.67		Si	Αρριοχ, 300°F		
2	Hone	None.	None	<u>.</u>	None		
3	181	.33		II.	Approx. ZOOF	95	
4	181	.33			l (c		
5	181	.33			ļs ļ		
6	18'	.33			l lı		34
. 7	20'	.50			le le		
8	20'	.50			lı .		
9	201	,50			u	¥	
lo.	20'	.50		P.	lı a		
H	201	,50			l i	lt .	190
12_	2.0'	= <u>.</u> 50		W %	l1 %-		189
WP#1	20'	1,00	32		Ambient		
WP#TA	301	2.00	40		(1		
WP=# 2_	20'	1,00	4-2		11	œ.	
WP#3	20'	1.00	32	U	{1		
WP#4-	18'	1,00	76 .		11		
					1		
		[					9
	8						

### EMISSIONS SUMMARY SECTION PART II

N/A

	,	   PROPOSED EM	ISSION RATE	in in less	Potent Uncontrolled	ial Emissions
Ref. No.	Pollutant	See Footnote (1)	(lbs/hr)	(TPY) .	(lbs/hr)	(TPY)
	1					
				(8)	_	
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		10 1				in the second
		*	i .			
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		9 4 .	1	<del> </del>	1	<u> </u>
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		811	•	1	-	

- (1) Provide emission rate in units of applicable emission standard, e.g., lb/MMBTU, gr/dscf at 12% 02, etc. This may not apply to every emission point or every pollutant from an emission point.
- (2) Please provide the total emissions from the facility by pollutant.

### FOR ALL APPLICANTS, WHETHER NEW CONSTRUCTION, EXISTING FACILITY, OR RENEWAL

ONTROL EQUIPMENT COVERED UNDER THIS APPLICATION - PLEASE CHECK ALL APPLICABLE AND INDICATE OF UNITS.

PAR	TICULATE EMISSIONS CONTROL EQUIPMENT		•
1.	Cyclone(s)	5.	Venturi Scrubber
2.	Water Scrubber	<b>6.</b>	Cyclonic Baghouse
3.	Baghouse	7.	Cyclonic Scrubber
4.	Electrostatic Precipitator	8.	Other
GAS	EOUS EMISSIONS CONTROL EQUIPMENT		
1.	Water Scrubber	3.	Other
2.	Activated Carbon Bed		•
WAS	TE DISPOSAL SYSTEMS		
1.	Solid Waste Incinerator	4.	Gaseous Waste Flare
2.	Liquid Waste Incinerator	5.	Liquid Waste Flare
3.	Wood or Other Waste Fuel Recovery Boiler	6.	Other
-Pne	eumatic Conveying System	0.40001140	
Oth	ner (please describe)		10.00
-			<del></del>

### FOR ALL APPLICANTS

FUEL BURNING EQUIPMENT -(Except for Refuse Disposal)

This form has 3 pages; each is a continuation of the equipment information from the page before. Please fill in as completely as possible, listing all fuel burning equipment. Reasons should be given explaining any data not filled in.

### PAGE 1

- 1. Fill in company name and address, plus year for which data is given (if existing facility) at top of page. Use data for most recent calendar year available.
- 2. Reference Number. Use an identifying number for each boiler, furnace, kiln, etc., and use the same reference number on each of the three pages to identify information for the same unit.
- 3. Manufacturer and Model Number. Nameplate data for boiler, furnace, kiln, etc. Waste gas flares and stationary internal combustion engines should also be included on this form.
- 4. Rated Capacity in Millions of BTU per hour.
- 5. Type of Burner Unit. Use Codes (1\*) at bottom of form. If not listed put (11) and specify.
- 6. Usage. Type of fuel burning equipment. Use codes (2\*) at bottom of form. If not listed put (5) and specify.
- 7. Heat Usage. Percent of heat used for process and percent for space heating.

### PAGE 2

- 8. Reference Number. Continue reference numbers from Page 1, using same number to identify information for same unit.
- 9. Stack Parameters.
  Stack Height in feet from ground.
  Stack Inside Exit Diameter in feet.
  Exit Gas Velocity in feet per second. (SCFM may be used if velocity is not known; specify units as SCFM if used.)
  Exit Gas Temperature in degrees F.
- 10. Fuel Data
  Fuel Type. Coal, Gas, #2 Oil, #6 Oil, etc.
  Maximum Capacity burned per hour. Gallons, pounds, cubic feet, etc.
  Specify. Average amount burned per year. Gallons, tons, million cubic feet, etc.
  Specify. Heat Content of Fuel. BTU per gallon, pound, cubic foot, etc., Specify.
  Average Percent Sulfur Content.
  Average Percent Ash Content.
  (If percent sulfur and percent ash are not known, list fuel type and supplier's name at bottom of page in spaces provided so that information may be obtained.)

### PAGE 3

- II. Reference Number. Use same numbers as on Pages 1 and 2 to identify information for same unit.
- 12. Air Pollution Control Equipment.

  Manufacturer and Model Number. Information from nameplate. Type. Use Table 1,
  Page 16. If a wet scrubber, specify gallons per minute of water flow and water
  pressure if known. Efficiency. Percent design control on pollutants and actual
  percent control if known.
- 13. Emission Rates.

  Specify tons per year of each of the listed pollutants emitted per year.

  Give basis of estimates of pollutants emitted (Material Balance, Stack Tests, Emission Factors, etc.)

  (If unit is a kiln or similar unit in which combustion products and process losses vent through a common stack, emissions may be totaled and listed under process losses).

Page 1	for Agency use Only	æ			2 2	Usage Most Usage % Space heat	1 108	5 100%	3 100%	3 100%	3 100%	3 100%	3 1,00%	3 100%	3 100%	3 100%	3 100%	3 100%	
FUEL BURNING EQUIPMENT (Except for Refuse Disposal)	Address	Normandy & Patton Streets P.O. Box 550 Clarbadolo MS 38614	alender Year Date		4 5	Rated Capacity Type of Burner Unit (use code 1*)	7.3	. 400	.10	. 175	7 700.	. 175	.120 7	.120	.120	. 120 7	7 7.120	.120	
F(Exc	Y NAME	Red Panther Chemical Company P.O. Box	FACILITY NUMBER Information for Calender Year	19.91	8	Manufacturer and Model Number	Clever Brooks CBH-40	Kemp PH-4	Cannier 58GP100-Z	Canrier 58GA175-3A	Canrier 58GA100-2A-C	Canrier 58GP175-CA	Trane TUP120A960B0	Trane TUP120A960B0	Trane TUP120A960B0	Trane TUP120A960BO	Whirlpool NVG150DK01	Whirlpool NVG150DK01	
	1 FACILITY NAME	Red Panthen C	FACILIT	0840-00010	2	Reference		2 K	3 C	4	5 0	J 9	7	8	7 6	T 01	11	12 W	

### 1\* BURNER CODES

- Cyclone furnace
   Pulverized coal
   Spreader Stoker
   Hand fired
   Other stoker (specify)

6. Multiple port gas
7. Forced draft gas
8. Atomizing Oil (Stove of Air)
9. Atomizing Oil (Mechanical)
10. Rotary Cup Oil
11. Others (specify)

## 2\* USAGE CODES

- 1. Boiler, Steam

- 2. Boiler, Other (specify)
  3. Air Heating for Space Heating
  4. Air Heating for Process Usage
  5. Others (specify)

PAGE 2

FUEL BURNING EQUIPMENT

(FOR AGENCY USE ONLY)

		Stack	Stack Parameters					Fuel Data			100
Reference Number	Stack Height Feet	Inside Exit Dia. Feet	Exit Gas Velocity Feet/Sec.	Exit Gas Temperature Degree F.	Fuel Type	Maximum Amount Per Hour (Specify Units)	Amount Per Year (Specify Units)	Heat Content BTU/Gal, etc. (Specify Units)	Percent Sulfur	Percent Ash	
1#	121	8		Αρρκοκ. 300°F	Natural Gas	1.3 MM Cu. Ft. Per Hour	832 MM B.T.U.	1011 BTU/CF	% % 0	%0	1 .
#2	None	None	None	Ambient	и	4000 C.F.H.	24.9 MM C.F.H.	1011 BTU/CF	%0	610	{
#3	181	<i>4</i> "		Approx. 200°F	н	100,000 BTU	89.6 MM BTU	1011 BTU/CF	9%	0%	)
<b>*</b> # #	181	4"		и		175,000 BTU	125.4 MM BTU	1011 BTU/CF	%0	80	
#5	181	4"		п	п	100,000 BTU	89.6 MM BTU	1011 BTU/CF	6/0	%0	
9#	181	4"		и	и	175,000 BTU	125.4 MM BTU	1011 BTU/CF	%	%0	
L#	20'	,,9		и	и	120,000 BTU	100.0 MM BTU	1000 BTU/CF	9/9	o% 0	
8#	20,	<i>"</i> 9		н	и	120,000 BTU	1000 ММ ВТИ	1000 BTU/CF	610	8%	
6#	20'	"9		и	и	120,000 BTU	1000 ММ ВТИ	1000 BTU/CF	0/0	9/0	(
#10	20'	"9		и	и	120,000 BTU	1000 ММ ВТИ	1000 BTU/CF	%0	%0	)
#11	20'	"9		и	и	120,000 BTU	107.5 MM BTU	1011 BTU/CF	0/0	%0	
#12	20' 4' FUEL SUPPLIERS:		Fuel Type Natural Gas	n S	" <u>Miss.</u>	120,000 BTU Supplier s. Valley Gas	107.5 MM BTU	1011 BTU/CF	0/0	010	
							1				
							1 1				

AGE 3

(FOR AGENCY USE ONLY)

FUEL BURNING EQUIPMENT

Basis of Estimate Emissions (Tons/Year) So2 Particulate Efficiency Actual Design Type\* (Use Table 1) Air Pollution Control Equipment. Manufacturer and Model Number Reference Number =

• For Wet Scrubber give Gallons per minute Water Flow and Water Pressure if known.

### FOR ALL APPLICANTS

### MANUFACTURING PROCESS OPERATIONS

### Page 1

- 1. Company Name and Address, plus year for which information is given (if existing facility) at top of page. Use data for must recent calendar year available.
- 2. Reference Number. Use an identifying number for each manufacturing process which emits matter to the air and use the same number on all three pages of this form to identify information for the same operation.
- 3. Process or Unit Operation Name. Identify the unit or process section for which information is given by name.
- 4. Rated Process Capacity. Give in tons per hour the maximum rated capacity of the process or unit identified, wet weight.
- 5. Feed Input. Process rate in wet tons per hour <u>and</u> wet tons per year of materials fed to the operation.
- 6. Number of Emission Points to Air. Number of stacks, vents, etc., which emit materials to air.
- 7. Product Output. Product rate in wet tons per hour <u>and</u> wet tons per year from the operation.

### Page 2

- 8. Reference Number. Use same number as on Page 1 of form to identify information for same process or operation.
- 9. Stack Data (or outlet of air cleaning device).
  Stack Height in feet above ground.
  Stack Inside Diameter in Feet.
  Exit Gas Velocity in feet per second. (SCFM may be used if velocity is not known; specify units as SCFM if used).
  Exit Gas Temperature in degrees F.
- 10. Air Pollution Control Equipment.

  Manufacturer and Model Number. Nameplate Data.

  Type. Use Table 1, Page 16. If a wet scrubber, give water flow in GPM and water pressure.

  Collection efficiency. Design and actual collection efficiency if known.

### Page 3

- 11. Reference Number. Use same number as on Pages 1 & 2 of form to identify information for same process or operation.
- 12. Process Emissions. Give in pounds per hour <u>and</u> tons per year the amount of emissions from the process or operation of each of the two pollutant categories so that process rates versus emission rates may be compared with Regulations. Identify the units of measure used.

  Give the basis of the estimates of pollutants emitted (stack tests, material balance, emission factors, etc.)

# MANUFACTURING PROCESS OPERATIONS

Company NameAddressFOR AGENCY USERed Panther Chemical CompanyNormandy & Patton StreetsP.O. Box 550P.O. Box 550Clarksdale, MS 38614Clarksdale, MS 38614FACILITY NUMBERInformation for Calendar YearDate		MANUFACTURING PROCESS OPERATIONS	ESS OPERATIONS	PAGE 1
Panther Chemical Company P.O. Box 550 Clarksdale, MS 38614 FACILITY NUMBER Information for Calendar Year  19 91	Company Name	Address		FOR AGENCY USE
SACILITY NUMBER Information for Calendar Year	Red Panther Chemical Company	Normandy & Patton Stre P.O. Box 550 Clarksdale, MS 38614	eets	
16 61	FACILITY NUMBER	Information for Calendar Year	Date	
	0540	16 61	9	

Reference	G THE STATE OF THE	Rated Process	Feed	Feed Input	Number of	Product	Product Outpute	
$\perp$	Cocas of One Operation Name	Capacity Tons/Hour	Quantity Per Hour	Quantity Per Year	Emission Points To Air	Quantity Per Hour	Quantity Par Veer	
	Powder Mbg. Unit #1 (BuilBling # Bi)	0.25	500 26.	3.0 M	One	500	3.0 W	
	Powder Mbg. Unit #1a (Building #9)	0.25	500 26.	3.0 M	One	200	3 0 W	
	Powder Mbg. Unit #2 (Buildin #11)	0.50	1000 26.	6.0 M	One	1000	W 0 9	
	Powder Mbg. Unit #3 (Evilling # 2)	0.25	500 lb.	3.0 M	One	500	3.0 M	
	Liquid Insocticity Flant (Buildings #38#4)	0.10	20016.	1.2 m	900	200	1.2. R	
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PAGE 2

MANUFACTURING PROCESS OPERATIONS

(FOR AGENCY USE ONLY)

			Stack Data		Air Polluti	Air Pollution Control Equipment	ınt	
Reference		Inside	Exit Gas	Exit Gas	A CONTRACTOR OF THE PROPERTY O	Tune	Collection	Callection Efficiency
	Height Feet	Unit Dia. Feet	Velocity Feet/Sec.	l emperature o F	Wantiacturer and Woder Notices	(use Table 1)	Design	Actual
WP #1	20	1.00	32	Ambient	MiknoPul Mod. #Unknown	35	96.66	96.66
WF #1a	30	2,50	40		MikroPul Mod. #Unknown	35	86.66	99.68
up #2	20	1,00	42		Mac Equipment Co. 46LST64-3	35	96.68	86.66
WP #3	20	1.00	32	2	MikroPul Mod. #Unknown	35	86.66	96.66
2) P. +1 M	<u>-</u> 20	00'1	76	П	New York Chance	10	94.9%	%6'66
				•		12		
Note: All	neverse	jet bag	houses bi	ter less tho	All neverse jet bag houses filter less than 6 SCFM/Sq. Ft. cloth area. Al	l powder pro	duction units	Afl powder production units have secondary
fil	ter bagh	uses to	refilter;	the air befor	filter baghouses to refilter the air before release to the atmosphere. Th	e high effic	The high efficiency of the baghouses is	aghouses is
enh	anced by	the nedu	indant bil	nation nesuk	enhanced by the redundant filtration resulting in overall filtration efficiency of greater than 99.9%	iency of gre	ater than 99.	9/0
								77

 For Wet Scrubbers Give Gallons per minute Water Flow and Water Pressure if known.

### PAGE 3

### MANUFACTURING PROCESS OPERATIONS

(FOR AGENCY USE ONLY)

11

12

11	12				
		Process Emissions*			
Reference Number	Particulates	Sulfur Oxides	Others (Specify by chemical composition)	Basis for Estimation	(Agency Corments Only)
WP #1	.0005 lb/hr 3 lb/yr	0	0	Redundant Baghouse 99.9%-99.9%	
WP #1a	.0005 lb/hr 3 lb/yr	. 0	0	"	
WP #2	.001 lb/hr 6 lb/yr	0	0	11	
WP #3	.0005 lb/hr 3 lb/yr	0 -	0	u ::	
WP #4	.0002 16/hr 1,2 16/yr	٥	0		
*					
	4				
to secure of the second					
2				¥	

<sup>\*</sup>Please Express Emissions as Tons per Year and Pounds per Hour and Identify Units Being Used.

### FOR ALL APPLICANTS

### REFUSE DISPOSAL AND INCINERATION

- A. Company Name & Address plus year for which information is given if for renewal of permit, at top of page.
  - B. Type Waste. Describe type of waste materials (paper, garbage, wood crates, sawdust, coal refuse, etc.)
  - C. Maximum amount per day in pounds.
  - D. Average amount per year in tons.
  - E. Method of Disposal. Use codes at bottom of Form (1\*).

### Page 2

- 1. Type of Incinerator. Check which applies.
- 2. Manufacturer, Model Number, Capacity in pounds per hour and type waste on which capacity is based (Nameplate Data).
- 3. Average Quantity Burned in pounds per year.
- 4. Operating Schedule for Incinerator. Hours per day and days per year incinerator is in operation.
- Type. (Natural Gas, #2 Oil, etc.)
  Amount per year. Specify gallons, cubic feet, etc.
  Heat Content of Fuel. BTU per gallon, cubic feet, etc.
  Percent Sulfur. Average sulfur content of auxiliary fuel.
  Percent Ash. Average ash content of auxiliary fuel.
  Fuel supplier's name if ash and sulfur content are not known.
- 6. Pollution Control Equipment on Incinerator. Manufacturer of Control Device. Model Number of Control Device. Percent efficiency of control if known. Type. Venturi Scrubber, Baghouse, etc., as outlined on other forms. GPM water flow if control device is a wet scrubber.
- 7. Stack Data.
  Height in Feet above Ground.
  Inside Exit Diameter in Feet.
  Exit Gas Velocity in Feet per Second.
  Exit Gas Volume if Velocity not known.
  Exit Gas Temperature in Degrees F if known.
- 8. Estimated Emission from Refuse Incineration. Give amounts in tons per year and basis of estimates for each of the five Jisted pollutants.

REFUSE DISPOSONAND INCINERATION

				)
Сотрап	Company Name	Information for Year	(Agency Use Only)	ام)
Red Panther Chemical Company	ical Company	1989 - 199k	ō	
Adc	Address	Date		
Normandy & Pattor Clarksdale, MS	Patton Streets MS 38614			-
B Description of Waste Materials	U	Q	ш	
Type (Describe)	Maximum Amount Per Day (Pounds)	ant Amount Per Year (Tons)	sar Method of Disposal	1* Disposal
Bags & Fiber Drums	1000 268.	130	2 & 6	
Liquid	•	150	9	
		g a	*	
#6 designates HAZARDOUS WASTE	US WASTE sites at Emelle,	AL & Plaquemine, LA	a	
Waste Disposal is by Incineration, Specify the Following:  1. Type of Incinerator:  multip  Modif	pecify the Following:  single chamber  multiple Chamber  Modified (describe)			
3			. }	
2. Manufacturer's Name:	NA			
Rated Capacity 3. Quantity Burned:		Pounds / Hour Pounds / Day Tons / Year	Type Waste	
4. Operating Schedule	r 1/A. Hours / Day	Day		
	Days / Year		*1 Disposal Method Codes	
		1. Open Burning 2. 1 andfill (No Burning)	2	5. Burned in Boiler or Furnance
		3. Incinerator (Complete rest of Form)		

PAGE 2

(AGENCY USE ONLY)

		2	<u> </u>		12
5.	Auxiliary	Fuel:	Туре	N/A	
		x	Amount/Year (Specify Units	s)	
			Heat Content	20	
			Percent Sulfur		
			Percent Ash		
			Supplier's Name		
6.	Pollution	Control Equipment	: Manufacturer	N/A	
			Model Number		
			% Efficiency		
			Туре	•	····
			GPM Water Flow (If Wet Scrubber)	· · · · · · · · · · · · · · · · · · ·	
7.	Stack Data:		Height	N/A	Feet
	. 959		Inside Exit Diameter		Feet
			Exit Gas Velocity		Feet/Sec.
			Exit Gas Volume		SCFM
	•		Exit Gas Temp.	5 9	o <sub>F</sub> .
8.	Estimated	Emissions From Ro	efuse Incineration:		
		Namo •		Racic of Estimates.	

\_\_\_Tons/Year

Particulates

Sulfur Oxides

### TABLE 1

### CODE NUMBERS FOR CONTROL DEVICES

### Vapor Control Equipment

00 Group - CONTROL BY COMBUSTION

01 catalytic combustion

02 furnace combustion

03 boiler firebox

04 steam injection flare

05 venturi flare

06 direct flame combustion (afterburner)

### 10 Group - ADSORBERS

10 activated carbon - nonregenerative

11 activated carbon — regenerative

12 silica gel - nonregenerative

13 silica gel - regenerative

14 lithium chloride

15 activated alumina

16 activated bauxite

### 20Group- ABSORBERS

20 sieve plate tower

21 bubble-cap tower

22 packed tower

Particulate Matter -

**Liquid Mist Control Equipment** 

30 Group - DRY SEPARATORS AND FILTERS

30 simple cyclones

- stor = - 31 high-efficiency cyclones

32 settling chamber

33 simple filters

34 baghouse (shaking) ·

35 baghouse (reverse jet)

. 36 dry collector (dynamic)

### 40 Group - WET COLLECTORS

40 spray chamber — no baffles

41 spray chamber — with baffles

42 wet cyclones - rotoclone

43 wet dynamic precipitator

44 venturi scrubber

45 spray tower (not absorption — scrubbers)

46 packed tower (not absorption - scrubbers)

47 condensors (tube and shell); air

48 barometric condensor with hot wells

### 50 Group - ELECTRICAL PRECIPITATORS

50 single stage

51 double stage

52 precipitron

60 Group

60 Counteractant

70 Group - SPECIAL

71 Jet exhausters (air dilution)

72 Mist eliminators

80 Group - Other

Specify

### ORGANIC COMPOUND EMISSIONS PERMIT APPLICATION ADDENDUM

NOTE:	ALL DATA SI	HOULD REPRESENT	MOST RECENT CAL	ENDAR YEAR		
GENERAL	INFORMATION					
Comp	any Name	Red Panthe	er Chemical	Company	5	
Plan	t Address/	lormandy & Patt	on Streets			
		P.O. Box 550		City Clarksda	de ZIP 38614	
Pers	on to Contac	t about Form	Boliby Cair			
Tele	phone <u>601-6</u>	27-4731	Title Quality	Control Ma	Não ex	
Telephone 601-627-4731 Title Quality Control Manager  Approximate Number of Employees 100						
Natu	re of Busine			; Agricultur	41	
Nature of Business (Include SIC) SIC #2789; Agricultural Pesticides						
Norm	al Operating	Schedule for C	alendar Year <u>l</u>	991		
_2	4- Hrs/	Day	Days/Week	52	Weeks/Year	
		ent Seasonal Op				
	DecFeb.	MarMay	June-Aug.	SeptNov.	7	
	25%	25%	25%	25%	e	
			E 50			

Are hydrocarbon or organic solvent containing materials such as cleaning fluids, coating, adhesives, inks, etc. used in you operation? Yes No If yes, please complete the appropriate forms enclosed. Make additional copies if necessary.

Bobbs Cam \_

9-20-91 Date

### GENERAL MANUFACTURING

	m		18		· · · · · · · · · · · · · · · · · · ·	<del></del>
•	Type of Process:					
	a. Reactor	c.	Dryer	·		
	b. Mixing Tank V		Other		/)	
2.	Type of Organic Material Processed	i*:	T500/	00		
3.	Density of Organic Material:	7. 7	24	lb/gallo	on	
4.	Amount of Organic Material:		ga	1/hour	26,000	_gal/year
5.	Solvents in Organic Material:					
	Type** % gal/hour gal/ye	ear	Type**	Z	gal/hour	gal/year
		1	<del></del>	<del></del>	<del></del>	
				<del></del>		
				<del></del>		
			0	<del></del>		
					TT	
<b>6.</b>	Solvents added to Organic Material				·	
٠.				_		_
	Type** % gal/hour gal/y	ear	Type**	%	gal/hour	gal/year
		.				
		.				
		.	<del></del>			
			•		Ш	
7.	Solvents used for surface preparatincluded:	ion,	cleanin	g, etc.	not previous	sly
	Type** % gal/hour gal/ye	ar	Type**	%	gal/hour	gal/year
		-	<del></del>	(6)	-	
		-	<del></del>	<u> </u>		
		-			-	
<u> </u>						

\*Acetone, MEK, butylacetate, cellosolve, toluene, styrene, resins, etc.

### GENERAL MANUFACTURING

1.	Type of F	Process:				П	107	
	a. Read	tor		c.	Dryer			
	b. Mixi	ing Tank_	V	d.	Other	(specify	y)	
2.	Type of (	Organic M	aterial Pro	ocessed*:_	Metha.	nol		
3.	Density o	of Organi	c Material:	: 6,	,5	_lb/gallo	on	
4.	Amount of	Organic	Material:		ga	al/hour	308,400	_gal/year
5.	Solvents	in Organ	ic Materia	l:				<del></del>
	Type**	7	gal/hour	gal/year	Type**	8	gal/hour	gal/year
	2						12	
A	7-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	- <del></del> -	<del></del>					
		9				55		
		·	· · · · · · · · · · · · · · · · · · ·					
						19		
6.	Solvents	added to	Organic Ma	aterial:	<u> </u>		<del></del>	<del></del>
			_		Type**	<b>9</b> ,	gal/hour	gal/year
								200
								2
		···	· •					S
7.	Solvents included:		surface pr	reparation	, cleanir	ng, etc.	not previous	sly
	Type**	%	gal/hour	gal/year	Type**	7,	gal/hour	gal/year
		-				şi .		
		-						

<sup>\*</sup>Acetone, MEK, butylacetate, cellosolve, toluene, styrene, resins, etc.

### GENERAL MANUFACTURING

1.	Type of Process:	·	<del>~</del>				<del></del>
ļ	a. Reactor	•	C	. Dryer			
	b. Mixing Tank	, 1/		_			<del></del>
				*		·)	
2.	Type of Organic	Material Pr	ocessed*:	Cyclohe	exanone	2	
3.	Density of Organ	nic Materia]	l: 7.8	9	_lb/gallo	מי	
4.	Amount of Organi	.c Material:	,	g	al/hour	155,600	_gal/year
5.	Solvents in Orga			11			
	Type** %	gal/hour	gal/year	Type**	Z	gal/hour	gal/year
			1	11			· <del></del>
			-	ï.			***************************************
			·		71		
			·				
i							
	0-14						
6.	Solvents added to			2		6	
	Type** %	gal/hour	gal/year	Type**	9,	gal/hour	gal/year
			. 10			*	
					*1	- 30	
	8.		-	==			
7 •	Solvents used for included:	r surface p	reparation	, cleanin	g, etc.	not previous	sly
	Type** %	gal/hour	gal/year	Туре**	<b>g</b> ,	gal/hour	gal/year
							*****
						-	
<del></del>						-	
<b>K</b> .					200		

\*Acetone, MEK, butylacetate, cellosolve, toluene, styrene, resins, etc.

1. Product stored; e.g. crude oil, gasoline, etc.	MSMA
2. True vapor pressure of product at storage temperature	101.11
(PSIA/OF)	N/A
3. Reid vapor pressure of product at storage temperature	
(PSIA/OF)	N/A
4. Density of product stored at storage temperature (lbs/gal)	
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	30,000
7. Tank Capacity (gals)	20,000
8. Tank Diameter (feet)	10.7
9. Tank Height (feet)	32
10. Average Vapor Space Height (feet)	Z
11. Tank Construction: Riveted or Welded	Welded.
12. Type of Tank:	
Fixed Roof	<b></b>
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	1/4
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	- E-
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	NA
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	INIC
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A
	1711:

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	NA
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 mph

TANK INDENTIFICATION NO. / NAME

1. Product stored; e.g. crude oil, gasoline, etc.	Caustic
2. True vapor pressure of product at storage temperature	1
(PSIA/OF)	6.3/104
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	6,000
7. Tank Capacity (gals)	12,000
8. Tank Diameter (feet)	10
9. Tank Height (feet)	ZO
10. Average Vapor Space Height (feet)	2'
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	<u></u>
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	.FT
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/i
Vapor mounted resilient seal	Total Co.
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	N√A.

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	. /.
Primary seal only	N/A
With rim mounted secondary seal	NIA
Vapor mounted resilient seal	
Primary seal only	NA
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	NA
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 mph

1. Product stored; e.g. crude oil, gasoline, etc.	MSMA
2. True vapor pressure of product at storage temperature	1401111
(PSIA/°F)	N/A
3. Reid vapor pressure of product at storage temperature	
(PSIA/OF)	N/A
4. Density of product stored at storage temperature (lbs/gal)	(0.6)
5. Molecular weight of product vapor at storage temperature	,
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	20,000
7. Tank Capacity (gals)	18,000
8. Tank Diameter (feet)	10
9. Tank Height (feet)	20
10. Average Vapor Space Height (feet)	1
11. Tank Construction: Riveted or Welded	welded
12. Type of Tank:	
Fixed Roof	
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	V.
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	,
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	A/A
Vapor mounted resilient seal	}
Primary seal only	A/L1
With weather shield	A\18
With rim mounted secondary seal	U\A_

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	. /4
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	NA
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	1 7mph

1. Product stored; e.g. crude oil, gasoline, etc.	Orchex 796
2. True vapor pressure of product at storage temperature	
(PSIA/P) (mm Hg @ 20°C)	< 0.01
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	13/6
4. Density of product stored at storage temperature (lbs/gal)	7.07
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	≈ 330
6. Throughput for the most recent calendar year (gals/year)	6,000
7. Tank Capacity (gals)	12,000
8. Tank Diameter (feet)	10
9. Tank Height (feet)	20
10. Average Vapor Space Height (feet)	N/A
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	<b>6</b> 1
Fixed Roof	
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	_
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	NIA
With weather shield	N'M
With rim mounted secondary seal	M/A
Vapor mounted resilient seal	
Primary seal only	A 1.
With weather shield	N. C
With rim mounted secondary seal	1) 1.

	·
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	•
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	hight Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	8
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

1 Product changing to	
1. Product stored; e.g. crude oil, gasoline, etc.	MSMA
2. True vapor pressure of product at storage temperature	i: 1
(PSIA/°F)	N/A
3. Reid vapor pressure of product at storage temperature	,
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	6.6
5. Molecular weight of product vapor at storage temperature	* &
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	20,000
7. Tank Capacity (gals)	12,000
8. Tank Diameter (feet)	11.5
9. Tank Height (feet)	24-
10. Average Vapor Space Height (feet)	
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	
Floating R∞f: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	a a
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	5 ¥
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	11/4
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	7/1
Primary seal only	N/A
With weather shield	N/V
With rim mounted secondary seal	4/4
	N12

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	NA
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph

1. Product stored; e.g. crude oil, gasoline, etc.	Flo Mo Low Foam
2. True vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
3. Reid vapor pressure of product at storage temperature	N/A
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	8,4
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	10,000
7. Tank Capacity (gals)	18,000
8. Tank Diameter (feet)	11.5
9. Tank Height (feet)	24
10. Average Vapor Space Height (feet)	2
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	
Floating R∞f: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	e 9
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With weather shield	4/61
With rim mounted secondary seal	N/A

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	,
Primary seal only	NA
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	AM
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	A/W
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: G∞d or P∞r	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	50
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7moh

	_
1. Product stored; e.g. crude oil, gasoline, etc.	Emoty
2. True vapor pressure of product at storage temperature	
(PSIA/OF)	N/A
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	N/A
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	N/A
7. Tank Capacity (gals)	6,000
8. Tank Diameter (feet)	8.1.
9. Tank Height (feet)	16
10. Average Vapor Space Height (feet)	N/A
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed R∞f	
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	NA
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	NA
With weather shield	TVA
With rim mounted secondary seal	1)/6
Vapor mounted resilient seal	
Primary seal only	n\/A
With weather shield	u/A
With rim mounted secondary seal	11/4

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	
18. Tank seal condition: Good or Poor	NA
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	N/A

Venatable OII  N/A  N/A  N/A  N/A  5,000
N/A N/A
N/A N/A
N/A N/A
N/A N/A
N/A
N/A 5,020
N/A 5,000
5,000
6,000
1.8
16
2
Welded
ōž
4
N/A
N/A
N/A
N/A
N/A
N/A
DO: 0
N/A
B/A
rk/A

	<del></del>
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	NA
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

1 Product stored: e.g. organ oil manifes at-	1 40 5 11 4
1. Product stored; e.g. crude oil, gasoline, etc.	MSMA
2. True vapor pressure of product at storage temperature (PSIA/°F)	. ,
	N/A
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	6.6
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	15,000
7. Tank Capacity (gals)	10,000
8. Tank Diameter (feet)	10.2
9. Tank Height (feet)	15
10. Average Vapor Space Height (feet)	1
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	<u></u>
Floating R∞f: External or Internal	
Variable Vapor Space	<del></del>
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	NIA
With shoe mounted secondary seal	Λ\/Λ
With rim mounted secondary seal	NA
Liquid mounted resilient seal	1976
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	. ,
Primary seal only	NA
With rim mounted secondary seal	· N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	J N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

1. Product stored; e.g. crude oil, gasoline, etc.	MSMA
2. True vapor pressure of product at storage temperature	
(PSIA/OF)	N/A
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	6.6
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	20,000
7. Tank Capacity (gals)	10,000
8. Tank Diameter (feet)	10,2
9. Tank Height (feet)	15
10. Average Vapor Space Height (feet)	
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	
Floating R∞f: External or Internal	4
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	A)(A
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	NA

1/1 For internal Clashing was Applied Town C. 3	Γ
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	,
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	-
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mch

	4
1. Product stored; e.g. crude oil, gasoline, etc.	MSMA
2. True vapor pressure of product at storage temperature	
(PSIA/°F)	NA
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	6.6
5. Molecular weight of product vapor at storage temperature	,
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	20,000
7. Tank Capacity (gals)	12,000
8. Tank Diameter (feet)	11
9. Tank Height (feet)	17
10. Average Vapor Space Height (feet)	
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	. 20
Fixed Roof	
Floating R∞f: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A

	<del>}</del>
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	Diffuse
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	A/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

1. Product stored; e.g. crude oil, gasoline, etc.  2. True vapor pressure of product at storage temperature  (PSIA/OF)  3. Reid vapor pressure of product at storage temperature	
(PSIA/°F) N/A	
N/K	
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F) N/A	·
4. Density of product stored at storage temperature (lbs/gal) 7,99	_
5. Molecular weight of product vapor at storage temperature	
lb/lb mole N/A	
6. Throughput for the most recent calendar year (gals/year) 60,000	
7. Tank Capacity (gals)	
8. Tank Diameter (feet)	
9. Tank Height (feet)	
10. Average Vapor Space Height (feet)	
11. Tank Construction: Riveted or Welded Welded	6
12. Type of Tank:	
Fixed R∞f	
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	
With shoe mounted secondary seal	
With rim mounted secondary seal N/A	
Liquid mounted resilient seal	
Primary seal only	
With weather shield N/A	
With rim mounted secondary seal	
Vapor mounted resilient seal	jā j
Primary seal only	
With weather shield N/A	
With rim mounted secondary seal	$\neg \neg$

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	<i></i>
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
. Is the roof column supported? If yes, give	,
a. Number of columns	NA
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Gray
Light Gray, Medium Gray, Gray, Other (describe)	
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Stainless Steel
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	1 7mph

1 Product stancia a comis	
1. Product stored; e.g. crude oil, gasoline, etc.	Asana
2. True vapor pressure of product at storage temperature (PSIA/OF)	,
	N/A
3. Reid vapor pressure of product at storage temperature (PSIA/°F)	1/.
	N/A
4. Density of product stored at storage temperature (lbs/gal)	7,99
5. Molecular weight of product vapor at storage temperature lb/lb mole	N/n
6. Throughput for the most recent calendar year (gals/year)	
7. Tank Capacity (gals)	60,000
8. Tank Diameter (feet)	<u> </u>
9. Tank Height (feet)	19
10. Average Vapor Space Height (feet)	1
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	weinen
Fixed R∞f	
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A.
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	a .
Primary seal only	N/A
With weather shield	M/A
With rim mounted secondary seal	14/1

	<del></del>
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	_
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	NA
b. Column diameter (inches)	ALI
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	Gray
16. Tank paint condition: Good or P∞r	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Stainless Steel
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

FACILITY NAME Re Panther Chemical Co.

FACILITY ADDRESS P.O. Box 550, Clarkschale, MS 38614

TANK INDENTIFICATION NO./NAME

1. Product stored: e.g. onide oil modifie	
1. Product stored; e.g. crude oil, gasoline, etc.	Kerosene
2. True vapor pressure of product at storage temperature (PSIA/OF)	
	N/A
3. Reid vapor pressure of product at storage temperature (PSIA/°F)	
	N/A
4. Density of product stored at storage temperature (lbs/gal)	N/A
5. Molecular weight of product vapor at storage temperature lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	5,000
7. Tank Capacity (gals)	10,000
8. Tank Diameter (feet)	10.7
9. Tank Height (feet)	18
10. Average Vapor Space Height (feet)	1.5
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	7701444
Fixed Roof	1
Floating Roof: External or Internal	Y
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	0)/0
Liquid mounted resilient seal	INTA
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	NIT.
Primary seal only	N/A
With weather shield	N/A

141 E 2 4 3 03 44 2 0 0 4 mls	
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	. / ^
Primary seal only	NA
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	NA
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	Gray
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Aluminum
18. Tank seal condition: Good or Poor	Good
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	200
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph

TANK INDENTIFICATION NO./NAME

1. Product stored; e.g. crude oil, gasoline, etc.	F10 M01252
2. True vapor pressure of product at storage temperature	1101232
(PSIA/OF)	N/A
3. Reid vapor pressure of product at storage temperature	
(PSIA/OF)	NA
4. Density of product stored at storage temperature (lbs/gal)	7.95
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	5.000
7. Tank Capacity (gals)	6,000
8. Tank Diameter (feet)	9.9
9. Tank Height (feet)	10.5
10. Average Vapor Space Height (feet)	0.5
11. Tank Construction: Riveted or Welded	Plastic
12. Type of Tank:	
Fixed Roof	L
Floating Roof: External or Internal	on .
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	NA
Vapor mounted resilient seal	8
Primary seal only	N/A
With weather shield	
With rim mounted secondary seal	N/A

14. For internal floating roof tanks, Type Seals:	6
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	A/A
With rim mounted secondary seal	414
Is the roof column supported? If yes, give	
a. Number of columns	NIA
b. Column diameter (inches)	AIN
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	White
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	Tarkh

1. Product stored; e.g. crude oil, gasoline, etc.	Armul CBIT
2. True vapor pressure of product at storage temperature (PSIA/OF)	N/A
3. Reid vapor pressure of product at storage temperature (PSIA/OF)	N/A
4. Density of product stored at storage temperature (lbs/gal	8,4
5. Molecular weight of product vapor at storage temperature lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	10,000
7. Tank Capacity (gals)	20,000
8. Tank Diameter (feet)	11.0
9. Tank Height (feet)	20
10. Average Vapor Space Height (feet)	1.5
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	
Floating R∞f: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	u u
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	1
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	N/A

14. For internal floating roof tanks, Type Seals:	= -
Liquid mounted resilient seal	
Primary seal only	NA
With rim mounted secondary seal	NA
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	NA
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminur.
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	A/A
19. Date tank installed	1938
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	©
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph

1. Product stored; e.g. crude oil, gasoline, etc.	Methanol
2. True vapor pressure of product at storage temperature	
(PSIA/OF) (mn Hg@ ZO°C)	96
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	A/A
4. Density of product stored at storage temperature (lbs/gal)	
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	40,000
7. Tank Capacity (gals)	6.000
8. Tank Diameter (feet)	9,9
9. Tank Height (feet)	10,5
10. Average Vapor Space Height (feet)	
11. Tank Construction: Riveted or Welded	Plastic
12. Type of Tank:	
Fixed Roof	مسا
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	0
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	AlA
With weather shield	AIN
With rim mounted secondary seal	1/1A
Vapor mounted resilient seal	
Primary seal only	A/A
With weather shield	N/A
With rim mounted secondary seal	N/A

14. For internal floating roof tanks, Type Seals:	<del>                                     </del>
Liquid mounted resilient seal	. / .
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	White
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Plastic
18. Tank seal condition: Good or Poor	1/4
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph

1. Product stored; e.g. crude oil, gasoline, etc.	Ethano!
2. True vapor pressure of product at storage temperature  (PSIATE) (MM Hq @ 20°C)	6
3. Reid vapor pressure of product at storage temperature (PSIA/OF)	<b>5)</b> / <b>5</b>
4. Density of product stored at storage temperature (lbs/gal)	19/A
5. Molecular weight of product vapor at storage temperature	6,75
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	7,800
7. Tank Capacity (gals)	6.000
8. Tank Diameter (feet)	4.9
9. Tank Height (feet)	10.5
10. Average Vapor Space Height (feet)	0,5
11. Tank Construction: Riveted or Welded	Plastic
12. Type of Tank:	
Fixed Roof	1
Floating R∞of: External or Internal	
Variable Vapor Space	
Pressure	2
Other, Describe	
13. For external floating roof tanks, Type Seals:	· · · · · · · · · · · · · · · · · · ·
Metallic shoe seal	II (e
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	N/A

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	·
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	White
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Plastic
18. Tank seal condition: Good or Poor	Good
19. Date tank installed	1988
20. Tank modifications: Give date and describe	A/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

	T-1-2-
1. Product stored; e.g. crude oil, gasoline, etc.	Ethylere Gircol
2. True vapor pressure of product at storage temperature  (PSIA/P) (mm Hq @ 20°C)	
	0.08
3. Reid vapor pressure of product at storage temperature (PSIA/OF)	N/A
4. Density of product stored at storage temperature (lbs/gal)	9,28
5. Molecular weight of product vapor at storage temperature lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	10.000
7. Tank Capacity (gals)	(6,000
8. Tank Diameter (feet)	9,9
9. Tank Height (feet)	10.5
10. Average Vapor Space Height (feet)	1,0
11. Tank Construction: Riveted or Welded	Plastic
12. Type of Tank:	1,145,170
Fixed Roof	1
Floating Roof: External or Internal	V
Variable Vapor Space	· · · · · · · · · · · · · · · · · · ·
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	34
Metallic shoe seal	8 E
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	NIF
With rim mounted secondary seal	A)(A
Vapor mounted resilient seal	TALKS.
Primary seal only	NA
With weather shield	A/A
With rim mounted secondary seal	N/A

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14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	NA
15. Tank paint color; White, Aluminum (diffuse or specular),	White
Light Gray, Medium Gray, Gray, Other (describe)	WME
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Plastic
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	1867 05
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7moh

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1. Product stored; e.g. crude oil, gasoline, etc.	Aromatic 100
2. True vapor pressure of product at storage temperature  (PSIA/OF) (mmHg/OF)	≈ 10/100
3. Reid vapor pressure of product at storage temperature (PSIA/°F)	
4. Density of product stored at storage temperature (lbs/gal)	N/A
5. Molecular weight of product vapor at storage temperature	7.3
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	
7. Tank Capacity (gals)	10,000
8. Tank Diameter (feet)	6,000
9. Tank Height (feet)	9,9
10. Average Vapor Space Height (feet)	10.5
11. Tank Construction: Riveted or Welded	0.5
12. Type of Tank:	Plastic
Fixed Roof	
Floating Roof: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	≓
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	<del></del>
Liquid mounted resilient seal	N/A
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	NA
Vapor mounted resilient seal	INIA
Primary seal only	N/A
With weather shield	NA
With rim mounted secondary seal	NA

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	NA
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	NA
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	White
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Plastic
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	NA
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

FACILITY ADDRESS ). Box 550, Clarks Sele MS 386

TANK INDENTIFICATION NO./NAME

1. Product stored; e.g. crude oil, gasoline, etc.	Aromatic 200
2. True vapor pressure of product at storage temperature	
(PSIA/PF) (mmHg at 25°C)	< 2
3. Reid vapor pressure of product at storage temperature	
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	8.2
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	166
6. Throughput for the most recent calendar year (gals/year)	10,000
7. Tank Capacity (gals)	6.000
8. Tank Diameter (feet)	19.9
9. Tank Height (feet)	10.5
10. Average Vapor Space Height (feet)	0,5
11. Tank Construction: Riveted or Welded	Plastic
12. Type of Tank:	
Fixed R∞f	V
Floating R∞f: External or Internal	
Variable Vapor Space	· ·
Pressure	in .
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	1517
Primary seal only	10/10
With weather shield	714
With rim mounted secondary seal	13/4
Vapor mounted resilient seal	7.1
Primary seal only	AM
With weather shield	1)/A
With rim mounted secondary seal	D/A
Land Control Control Control	18) 7.

14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	NIA
Vapor mounted resilient seal	
Primary seal only	NA
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	White
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Plastic
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph:

1. Product stored; e.g. crude oil, gasoline, etc.	Chloronil 500
2. True vapor pressure of product at storage temperature (PSIA/OF)	5.72
3. Reid vapor pressure of product at storage temperature (PSIA/OF)	N/A
4. Density of product stored at storage temperature (lbs/gal)	
5. Molecular weight of product vapor at storage temperature lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	60,000
7. Tank Capacity (gals)	10,000
8. Tank Diameter (feet)	9,9
9. Tank Height (feet)	10,5
10. Average Vapor Space Height (feet)	1,0
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	1/
Floating R∞f: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	1
Primary seal only	A) /A
With shoe mounted secondary seal	2/0
With rim mounted secondary seal	NA
Liquid mounted resilient seal	NIA
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	
Vapor mounted resilient seal	N/A
Primary seal only	NA
With weather shield	N/A
With rim mounted secondary seal	290
	NIA

## TANK INDENTIFICATION NO./NAME

11 For internal Clashing was tooler Tool 2	
14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	•
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light first
18. Tank seal condition: Good or Poor	NA
19. Date tank installed	1973
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph

TANK INDENTIFICATION NO./NAME

T5-01

1. Product stored; e.g. crude oil, gasoline, etc.  2. True vapor pressure of product at storage temperature  (PSIA/OF): (MMHq @ 20°C)  3. Reid vapor pressure of product at storage temperature  (PSIA/OF)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature	
2. True vapor pressure of product at storage temperature  (PSIA/OF): (MMHg @ 20°C)  3. Reid vapor pressure of product at storage temperature  (PSIA/OF)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature	
3. Reid vapor pressure of product at storage temperature  (PSIA/°F)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature	
(PSIA/°F)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature	
4. Density of product stored at storage temperature (lbs/gal) 8.7  5. Molecular weight of product vapor at storage temperature	
5. Molecular weight of product vapor at storage temperature	
lb/lb mole N/A	
6. Throughput for the most recent calendar year (gals/year) 2,000	
7. Tank Capacity (gals)	)
8. Tank Diameter (feet) 7.0	
9. Tank Height (feet) 14.0	ı
10. Average Vapor Space Height (feet) (,O	
11. Tank Construction: Riveted or Welded Welde	d
12. Type of Tank:	ti
Fixed Roof	
Floating R∞f: External or Internal	
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	
Primary seal only N/A	590
With shoe mounted secondary seal N/A	
With rim mounted secondary seal N/A	90
Liquid mounted resilient seal	
Primary seal only N/A	
With weather shield N/A	
With rim mounted secondary seal N/A	
Vapor mounted resilient seal	
Primary seal only N/A	
With weather shield N/A	
With rim mounted secondary seal	

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14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	ÿ
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: G∞d or P∞r	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7moh

TS-OZ

1. Product stored; e.g. crude oil, gasoline, etc.	A+lox 3403F
2. True vapor pressure of product at storage temperature	ss 1
(PSIA/°F)	N/A
3. Reid vapor pressure of product at storage temperature	. /.
(PSIA/°F)	N/A
4. Density of product stored at storage temperature (lbs/gal)	8.5
5. Molecular weight of product vapor at storage temperature	
lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	5,000
7. Tank Capacity (gals)	8,000
8. Tank Diameter (feet)	7.0
9. Tank Height (feet)	14:0
10. Average Vapor Space Height (feet)	l l
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	
Floating R∞f: External or Internal	
Variable Vapor Space	34
Pressure	
Other, Describe	в
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	3 20
Primary seal only	N/A
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	5' E3
Primary seal only	N/A
With weather shield	N/F
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	11/4
With weather shield	NA
With rim mounted secondary seal	Nic
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14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	,
Primary seal only	NA
With rim mounted secondary seal	NA
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluminum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Bust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7mph

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1. Product stored; e.g. crude oil, gasoline, etc.	Cythion
2. True vapor pressure of product at storage temperature (PSIA/OF)	0.00004
3. Reid vapor pressure of product at storage temperature (PSIA/OF)	N/A.
4. Density of product stored at storage temperature (lbs/gal)	8.9
5. Molecular weight of product vapor at storage temperature lb/lb mole	N/A
6. Throughput for the most recent calendar year (gals/year)	4,000
7. Tank Capacity (gals)	7,000
8. Tank Diameter (feet)	1 9
9. Tank Height (feet)	10
10. Average Vapor Space Height (feet)	0.5
11. Tank Construction: Riveted or Welded	Welded
12. Type of Tank:	
Fixed Roof	
Floating Roof: External or Internal	,
Variable Vapor Space	
Pressure	
Other, Describe	
13. For external floating roof tanks, Type Seals:	
Metallic shoe seal	n
Primary seal only	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	NIA
Liquid mounted resilient seal	
Primary seal only	N/A
With weather shield	ALCO
With rim mounted secondary seal	17/4
Vapor mounted resilient seal	
Primary seal only	23/A
With weather shield	NA
With rim mounted secondary seal	NIA

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14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	
Primary seal only	NA
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	NIA
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	416
15. Tank paint color; White, Aluminum (diffuse or specular),	
Light Gray, Medium Gray, Gray, Other (describe)	Gray
16. Tank paint condition: Good or Poor	Good
17. Tank shell condition: Light rust, dense rust, gunite lined	Stainless Steel
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	7 moh

TS-04

2. True vapor pressure of product at storage temperature  (PSIA/OF)  3. Reid vapor pressure of product at storage temperature  (PSIA/OF)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature  lb/lb mole  6. Throughput for the most recent calendar year (gals/year)  7. Tank Capacity (gals)  8. Tank Diameter (feet)  9. Tank Height (feet)  0. Average Vapor Space Height (feet)	96 N/A 6,5 N/A 68,400 0,000 10,2 15 1.0 Nelded
(PSIA/PF) (MINHQ 20°C)  3. Reid vapor pressure of product at storage temperature (PSIA/PF)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature lb/lb mole  6. Throughput for the most recent calendar year (gals/year) /  7. Tank Capacity (gals)  8. Tank Diameter (feet)  9. Tank Height (feet)  0. Average Vapor Space Height (feet)  1. Tank Construction: Riveted or Welded  2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	N/A 6,5 N/A 68,400 0,000 10,2 15
3. Reid vapor pressure of product at storage temperature  (PSIA/OF) 4. Density of product stored at storage temperature (1bs/gal) 5. Molecular weight of product vapor at storage temperature 1b/1b mole 6. Throughput for the most recent calendar year (gals/year) / 7. Tank Capacity (gals) 8. Tank Diameter (feet) 9. Tank Height (feet) 0. Average Vapor Space Height (feet) 1. Tank Construction: Riveted or Welded 2. Type of Tank: Fixed Roof Floating Roof: External or Internal Variable Vapor Space Pressure Other, Describe 3. For external floating roof tanks, Type Seals: Metallic shoe seal	N/A 6,5 N/A 68,400 0,000 10,2 15
(PSIA/OF)  4. Density of product stored at storage temperature (lbs/gal)  5. Molecular weight of product vapor at storage temperature lb/lb mole  6. Throughput for the most recent calendar year (gals/year)    7. Tank Capacity (gals)  8. Tank Diameter (feet)  9. Tank Height (feet)  0. Average Vapor Space Height (feet)  1. Tank Construction: Riveted or Welded  2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	N/A 68,400 0,000 10,2 15
5. Molecular weight of product vapor at storage temperature lb/lb mole 6. Throughput for the most recent calendar year (gals/year)   7. Tank Capacity (gals) 8. Tank Diameter (feet) 9. Tank Height (feet) 0. Average Vapor Space Height (feet) 1. Tank Construction: Riveted or Welded 2. Type of Tank: Fixed Roof Floating Roof: External or Internal Variable Vapor Space Pressure Other, Describe 3. For external floating roof tanks, Type Seals: Metallic shoe seal	N/A 68,4.00 0,000 10,2 15
5. Molecular weight of product vapor at storage temperature lb/lb mole 6. Throughput for the most recent calendar year (gals/year)   7. Tank Capacity (gals) 8. Tank Diameter (feet) 9. Tank Height (feet) 0. Average Vapor Space Height (feet) 1. Tank Construction: Riveted or Welded 2. Type of Tank: Fixed Roof Floating Roof: External or Internal Variable Vapor Space Pressure Other, Describe 3. For external floating roof tanks, Type Seals: Metallic shoe seal	N/A 68,4.00 0,000 10,2 15
1b/1b mole  6. Throughput for the most recent calendar year (gals/year)  7. Tank Capacity (gals)  8. Tank Diameter (feet)  9. Tank Height (feet)  0. Average Vapor Space Height (feet)  1. Tank Construction: Riveted or Welded  2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	0,000 10,2 15 1,0
7. Tank Capacity (gals) 8. Tank Diameter (feet) 9. Tank Height (feet) 0. Average Vapor Space Height (feet) 1. Tank Construction: Riveted or Welded 2. Type of Tank: Fixed Roof Floating Roof: External or Internal Variable Vapor Space Pressure Other, Describe 3. For external floating roof tanks, Type Seals: Metallic shoe seal	0,000 10.2 15
7. Tank Capacity (gals) 8. Tank Diameter (feet) 9. Tank Height (feet) 0. Average Vapor Space Height (feet) 1. Tank Construction: Riveted or Welded 2. Type of Tank: Fixed Roof Floating Roof: External or Internal Variable Vapor Space Pressure Other, Describe 3. For external floating roof tanks, Type Seals: Metallic shoe seal	0,000 10.2 15
8. Tank Diameter (feet) 9. Tank Height (feet) 0. Average Vapor Space Height (feet) 1. Tank Construction: Riveted or Welded 2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe 3. For external floating roof tanks, Type Seals:  Metallic shoe seal	10.2 15 1.0
O. Average Vapor Space Height (feet)  1. Tank Construction: Riveted or Welded  2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	15 1.0
1. Tank Construction: Riveted or Welded 2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe 3. For external floating roof tanks, Type Seals:  Metallic shoe seal	1,0
1. Tank Construction: Riveted or Welded 2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe 3. For external floating roof tanks, Type Seals:  Metallic shoe seal	
2. Type of Tank:  Fixed Roof  Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	V
Floating Roof: External or Internal  Variable Vapor Space  Pressure  Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	<b></b>
Variable Vapor Space  Pressure Other, Describe  3. For external floating roof tanks, Type Seals: Metallic shoe seal	
Pressure Other, Describe 3. For external floating roof tanks, Type Seals: Metallic shoe seal	
Other, Describe  3. For external floating roof tanks, Type Seals:  Metallic shoe seal	
3. For external floating roof tanks, Type Seals:  Metallic shoe seal	
Metallic shoe seal	#
Primary seal only	
	NA
With shoe mounted secondary seal	N/A
With rim mounted secondary seal	N/A
Liquid mounted resilient seal	**************************************
Primary seal only	N/A
With weather shield	N/A
With rim mounted secondary seal	NIA
Vapor mounted resilient seal	
Primary seal only	NA
With weather shield	r\ /A
With rim mounted secondary seal	FoX 17th

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14. For internal floating roof tanks, Type Seals:	
Liquid mounted resilient seal	\ <i>I</i> .
Primary seal only	N/A
With rim mounted secondary seal	N/A
Vapor mounted resilient seal	
Primary seal only	N/A
With rim mounted secondary seal	N/A
Is the roof column supported? If yes, give	
a. Number of columns	N/A
b. Column diameter (inches)	N/A
15. Tank paint color; White, Aluminum (diffuse or specular),	Aluninum
Light Gray, Medium Gray, Gray, Other (describe)	(Diffuse)
16. Tank paint condition: G∞d or P∞or	Gwad
17. Tank shell condition: Light rust, dense rust, gunite lined	Light Rust
18. Tank seal condition: Good or Poor	N/A
19. Date tank installed	1988
20. Tank modifications: Give date and describe	N/A
21. Is the tank equipped with a vapor recovery system?	
If yes, describe	No
22. Average wind velocity of the area (miles/hour)	Tmph