

September 10, 1990

Mr. Clifford D. Porterfield
Red Panther Chemical Company
P. O. Box 550
Clarksdale, Mississippi 38614

Dear Mr. Porterfield:

Re: Operating Permit No. 0540-00010
Coahoma County

This letter is to alert you that the facility's Operating Permit for air emissions equipment will expire April 1, 1991. Application for renewal of this permit is due not less than 180 days prior to the expiration date of the permit, as set forth in Regulation APC-S-2, Section 3.1.2. If you wish to renew the permit and continue operation past April 1, 1991, you must complete the enclosed application forms and return them to the Office by October 1, 1990. If the company will not be seeking renewal of the permit, written notification should be provided detailing why the permit is no longer needed.

If you have any questions, please let me know.

Very truly yours,

Tim Parrish
North Air Emissions Section

TP:vb
Enclosure

File

Mr. Terry Hays
1115 Highway 49 South
Clarksdale, Mississi

Dear Mr. Hays:

On May 14, 1991, we in
from Red Panther Chemi
inspected the plant and
such as you described;
the time. Our investic
additional information
facility and address any

Thank you for your conce
advise.

JDH:cm

FAX

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
P.O. Box 20305
2380 Hwy. 80 West
Jackson, MS 39289-1305
FAX Number: (601)354-6612

Date 5/13 19 91

Please deliver the following 2 pages including transmittal sheet to:

Name Kenny Hill Phone _____

Location NRO

Routine

Priority

From:

Name Alexis Badia Phone 961-5106

Location ixy

Message

If all pages are not received or are not legible please call us as soon as possible at (601) 961-5171 or the telephone number above.

State of Mississippi
Department of Natural Resources
BUREAU OF POLLUTION CONTROL
P.O. Box 10385
Jackson, Mississippi 39209

COMPLAINT FORM

5/13/91 9:30 Air Water
Date Time

Person Reporting: Mr. Mrs. Terry Hays

Address: CLARKSDALE COAHONA 624-2436
City County Street or P.O. Box Phone

Complaint Site: RED PAANTHER, PATTON STREET
- AGRICULTURAL CHEMICALS OR PESTICIDES -

Text of Complaint: OVERPOWERING ODOR. PARTICULARLY
BAD TODAY. FREQUENT BUT NO ^{DAILY} PATTERN TO EMISSIONS
IF POSSIBLE, INVESTIGATE TODAY

Complaint Taken By: HECTOR BADIA REPORT TO DEWAYNE HEADRICK
Name

North Regional Office
 Central Regional Office
 South Regional Office
Other _____

Referred By: Phone Mail Courier

Routed To R.O. By: Hector Badia Date 5-13-91

Resolution: _____



STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR



TO: Dewayne Headrick
FROM: Stanley Watkins, NRO
DATE: May 16th, 1991

SUBJECT: Red Panther
Patton Street Telephone: 627-4731
Clarksdale, MS
Coahoma County

On May 14th, 1991, I investigated an odor complaint concerning this facility. This plant manufactures pesticides, herbicides, defoliants, and fungicides by blending and mixing various chemicals.

I contacted the Complainant, Terry Hays, by phone. He said he did not live near the plant but worked in the Standard Industrial Building across the street from Red Panther. He said that he and other employees at this place periodically smelled a strong chemical odor while working. He said that he did not notice the odor, at this time. He said that they have not had any health problems but were concerned about the odor.

I contacted Charlie Brown, General Manager, and Jim Thomas, Director of Technical Services, at Red Panther. At this time, they were making Rovall, a fungicide powder, and Lannate, a liquid insecticide. The Rovall dust is controlled by three baghouses which pulls from the mixers and bagging operation. I could detect only a slight odor around the mixers and could see no visible emissions from the baghouses. The Lannate fumes are pulled from the mixers and bottling operations into a carbon adsorption bed. I could not detect any odors from this area or from the carbon adsorption unit. They have been mixing these two chemicals for several weeks.

They were also pouring a solution containing 7.2% methyl parathion into a vat. This material was crystalizing in cans. The crystals were being cleaned out by a solvent. This material was going to be cut down to 5% methyl parathion and reused. The fumes from this vat were not controlled and the methyl parathion had a very strong odor. They claimed this was a temporary operation and would be finished today. I could smell this odor outside the plant but could not detect it off the plant grounds, at this time.

It is possible that this is the odor being complaint about and could possibly be stronger during certain weather conditions. I informed Mr. Thomas that they need to vent these fumes to the carbon adsorption unit if this procedure is carried out in the future.

Dewayne Headrick
May 16th, 1991

If I can be of any further assistance, please let me know.

Respectfully,

Stanley Watkins

Stanley Watkins

ST:c

State of Mississippi
Department of Natural Resources
BUREAU OF POLLUTION CONTROL
P.O. Box 10385
Jackson, Mississippi 39209

COMPLAINT FORM

5/13/91 9:30 Air Water
Date Time

Person Reporting: Mr. Mrs. Terry Hays

Address: CLARKSDALE COAHONA 624-2436
City County Street or P.O. Box Phone

Complaint Site: RED PAWNER, PATTON STREET
- AGRICULTURAL CHEMICALS OR PESTICIDES -

Text of Complaint: OVERFLOWING ODOR. PARTICULARLY

BAD TODAY. FREQUENT BUT NO ^{CAUSE} PATTERN TO EMISSIONS

IF POSSIBLE, INVESTIGATE TODAY

Complaint Taken By: HECTOR BADIA REPORT TO DEWAYNE HEADRICK

Name

- North Regional Office
- Central Regional Office
- South Regional Office

Other _____

Referred By: Phone Mail Courier

Routed To R.O. By: Hector Badia Date _____

Resolution: _____

ENTR 14
4/12 (AD)

EMISSION INVENTORY - GENERAL

County ID: 0540 Facility ID: 00010 Date: _____
 Facility Name: Red Panther Chemical Co.
 Mailing Address: P.O. Box 550
 City: Clarksdale State: MS Zip: 38614
 Contact & Title: Jim Thomas, Director of Technical Services Phone: _____
 Facility/Plant Type: Agricultural pesticides
 SIC Code: 2879

Emissions Summary (Total for Each Pollutant From All Sources)				
Pollutant	Actual TPY	Potential TPY	Non VOC HAP's	VOC HAP's
Particulate Matter	0.008	5.03		
PM ₁₀				
SO ₂	19.5	27.33		
NO _x				
CO				
VOC	15.65	15.65	6.2	15.65
LEAD				
TRS				
HAP (Total for all Em. Pts.)	21.85	21.85	6.2	15.65
HAP > 10 TPY Each (List Below)				
Methanol	12.5	12.5		
OTHER:				
OTHER:				

amended
6-8-97
ASW

REGULATION APPLICABILITY:

- () SIP Only
- () PSD
- () NESHAP: Subpart _____
- () NSPS: Subpart _____
- () MACT; Source Category _____
- () Other: _____

EMISSION INVENTORY - SOURCES

County ID: 0540 Facility I.D. 00010

AOCR: _____ UTM ZONE: _____ UTM EAST: _____ UTM NORTH: _____

Sources		UTM Coordinates		Stack Parameters			
ID#	Description	East	North	Height (ft)	Diameter (ft)	Velocity (ft/sec)	Temp. (°F)
#1	Pleawe Brooks CBH-40			12	.67		300
#2	Kemp PH-4						ambient
#3	Carrier S8GP100-2			18	.33		200
#4	Carrier S8GA			18	.33		"
#5	Carrier S8GA			18	.33		"
#6	Carrier S8GP			18	.33		"
#7	None			20	.5		"
#8	None			20	.5		"
#9	None			20	.5		"
#10	None			20	.5		"
#11	Whirlpool			20	.5		"
#12	Whirlpool			20	.3		"
WP-1	Powder Mfg. Unit #1			20	12	32	ambient
WP-1A	Powder Mfg. Unit #1A			30	2	40	ambient
WP-2	Powder Mfg. Unit #2			20	12	42	ambient
WP-3	Powder Mfg. Unit #3			20	12	32	ambient

EMISSION INVENTORY - HAZARDOUS AIR POLLUTANTS

COUNTY ID: 0540

FACILITY ID: 0000

Source ID#	Operating Schedule			Emissions					
	h/d	d/wk	wk/yr	HAP		Actual		Potential	
				CAS #	NAME	lb/hr	ton/yr	lb/hr	ton/yr
	24	5	52	-	Arsenic	12,400	6.2		
	TPI DATA			94757	2,4-D	500	0.25		
				67561	Methanol	25000	12.5		
				1330207	Xylene	2050	1		
				107211	Ethylene Glycol	3850	1.9		
TOTAL							21.85		21.85

EMISSION INVENTORY - CRITERIA POLLUTANTS

COUNTY ID: 0570

FACILITY ID: 00010

Source ID #	Hours per day	Days per week	Weeks per year	ACTUAL EMISSIONS													
				PM		PM ₁₀		SO ₂		NO _x		CO		VOC		TRS	
				PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY
#1	24	5	52														
#2																	
#3																	
#4																	
#5																	
#6																	
#7																	
#8																	
#9																	
#10																	
#11																	
#12																	
WP-1																	
WP-1A																	
TOTALS																	

EMISSION INVENTORY - CRITERIA POLLUTANTS

COUNTY ID: 0540 FACILITY ID: 00010

Source ID #	Hours per day	Days per week	Weeks per year	POTENTIAL EMISSIONS															
				PM		PM ₁₀		SO ₂		NO _x		CO		VOC		TRS		LEAD	
				PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY	PPH	TPY
#1	24	7	52																
#2																			
#3																			
#4																			
#5																			
#6																			
#7																			
#8																			
#9																			
#10																			
#11																			
#12																			
WP-1																			
WP-1A																			
TOTALS																			



11

12

13

14

RED PANTHER

0540-00010

Power Boiler

$$1.3 \times 10^6 \text{ BTU/hr}$$

Allowable SO₂ Emissions

$$\left(\frac{4.8 \text{ lbs}}{10^6 \text{ BTU}} \right) \left(1.3 \times 10^6 \frac{\text{BTU}}{\text{hr}} \right)$$

$$= 6.24 \text{ lb/hr}$$

Actual SO₂

$$\left(6.24 \frac{\text{lb}}{\text{hr}} \right) \left(\frac{24 \text{ hr}}{\text{dy}} \right) \left(\frac{5 \text{ dy}}{\text{wk}} \right) \left(\frac{52 \text{ wk}}{\text{yr}} \right) \left(\frac{\text{TON}}{2000 \text{ lb}} \right)$$

$$= 19.5 \text{ TON/yr}$$

Potential SO₂

$$\left(6.24 \frac{\text{lb}}{\text{hr}} \right) \left(\frac{8760 \text{ hr}}{\text{yr}} \right) \left(\frac{\text{TON}}{2000 \text{ lb}} \right)$$

$$= 27.33$$

Particulates

Allowable 0.23 + 0.46 + 0.23 + 0.23 lb/hr
1.15 lb/hr 5.037

Actual (from application)

$$0.0025 \frac{\text{lb}}{\text{hr}} \left(\frac{24 \text{ hr}}{\text{dy}} \right) \left(\frac{5 \text{ dy}}{\text{wk}} \right) \left(\frac{52 \text{ wk}}{\text{yr}} \right) \left(\frac{\text{TON}}{2000 \text{ lb}} \right)$$

WP#1 - WP#3

$$0.0078 \text{ TON/yr}$$

Name: Red Panther Chemical Company

County: Coahoma

AirType: True Minor

WaterType: Industrial

HWType: Non-Generator

SIC1: 2879

AFS ID: 02700010

SIC2:

EPA ID:

SIC3:

Mailing Address: PO Box 550
Clarksdale, MS 38614-

Physical Address: Normandy & Patton Streets
Clarksdale, MS 38614-

Owner Information: ,

Operator Information ,

Contact Name Cain, Bobby
Contact Title Quality Control Manager
Phone (601) 627-4731

OPCCE Contact



RED PANTHER CHEMICAL COMPANY/P.O. BOX 550/CLARKSDALE, MS 38614 PH. (601) 627-4731

October 16, 1991

Mr. Tim Parrish
Bureau of Pollution Control
P.O. Box 10385
Jackson, MS 39289



Dear Mr. Parrish,

The enclosed booklet contains Red Panther's application for renewal of air pollution control operating permit.

Sincerely,

Bobby Cain
Quality Control Manager
Red Panther Chemical Co.

ph

Enclosure

Phosphoric Acid Manufacturing & Phosphate Fertilizers Production
NESHAP Questionnaire

RECEIVED
MAR 24 1997
Dept. of Environmental Quality
Office of Pollution Control

Company Name: Red Panther Chemical Co.
Address: P.O. Box 550
City: Clarksdale State: MS Zip: 38614

If any of the above information is incorrect, please correct information to the side.

Representative Name: _____
Title: _____
Phone: _____

Standard Industrial Classification (SIC) code (if known): 2879

- 1) Does the facility manufacture phosphoric acid or produce phosphate fertilizers?
 Yes No
- 2) Does the facility have an air emissions permit for any facility operations?
 Yes No
- 3) If you answered No to question 1, please sign at the end of the survey and return it.
If you answered Yes to question 1, please continue with the survey.
- 4) If you manufacture phosphoric acid, do you release emissions of hazardous air pollutants from any of the following?
 Yes No a) Wet-process Phosphoric Acid Plant
 Yes No b) Evaporative Cooling Tower
 Yes No c) Phosphate Rock Dryer
 Yes No d) Phosphate Rock Calciner
 Yes No e) Superphosphoric Acid Plant
 Yes No f) Purified Acid Plant
- 5) Is your facility a major source of hazardous air pollutants? Yes No

A major source is defined as any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit in the aggregate 10 tons per year or more of any one hazardous air pollutant or 25 tons per year or more of any combination of hazardous air pollutants.

RED PANTHER CHEMICAL COMPANY

DEPT. OF ENVIRONMENTAL QUALITY

1572

OUR REF. NO.	YOUR INVOICE NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
010393	STMT	02/01/96	216.84			216.84

TOTALS ->	001572	022696	216.84			216.84
-----------	--------	--------	--------	--	--	--------

RED PANTHER CHEMICAL COMPANY
 P. O. BOX 550
 CLARKSDALE, MISSISSIPPI 38614
 (601) 627-4731

First National Bank of Clarksdale
 PO Box 220 Clarksdale, MS 38614

MS 157
 842

001572

CHECK NO.	CHECK DATE	VENDOR NO.
1572	2/26/96	000405

CHECK AMOUNT

*****216.84 *****216.84

PAY TO THE ORDER OF

DEPT. OF ENVIRONMENTAL QUALITY
 DEPT. OF ENVIRONMENTAL QUALITY
 P.O. BOX 20305
 JACKSON MS 39289-1325

BY Charles E. Brown
 BY Diane P. Campbell

⑈001572⑈ ⑆084201029⑆ 016⑈8963⑈

05 40-00010
Per your memo dated 2/14/96 this facility is deferred until 2/27/97 - I am returning this payment to Red Panther - A/S



DEPT OF ENVIRONMENTAL QUALITY
TITLE V AIR PERMIT FEE
P. O. Box 20325
Jackson, MS 39289-1325

PAGE 1

** CREDIT MEMO **

* * TITLE V AIR OPERATING PERMIT FEE * *

BILL TO:
RED PANTHER CHEMICAL CO

CREDIT MEMO 865
INVOICE DATE: 2/22/96

P O BOX 550
CLARKSDALE, MS 38614

CONTACT PERSON: Alice Brown
TELEPHONE: 601-961-5572

FACILITY I.D. # 0540-00010

DESCRIPTION

AMOUNT

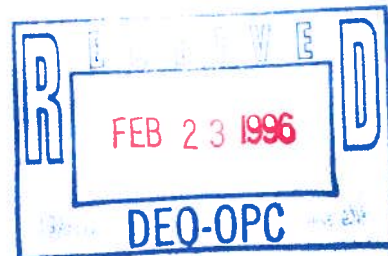
FACILITY NOT SUBJECT
TO TITLE V

(433.68)

(433.68)
=====

** CREDIT MEMO **

THIS FACILITY HAS BEEN DEFERRED UNTIL 1/27/97
PER MEMO FROM WAYNE ANDERSON DATED 2/14/96.



DEPT OF ENVIRONMENTAL QUALITY

P. O. Box 20325
 Jackson, MS 39289-0325

PAGE 1

** INVOICE **

* TITLE V AIR OPERATING PERMIT FEE *

BILL TO:
 RED PANTHER CHEMICAL CO

 P O BOX 550
 CLARKSDALE, MS 38614

INVOICE # 745
 INVOICE DATE: 1/02/95

CONTACT PERSON: Cheryl Shelby
 TELEPHONE: 601-961-5381

FACILITY I.D. # 0540-00010

TERMS: DUE 2/1/95

POLLUTANT	TOTAL TONS OF EMISSIONS	FEE PER TON OF EMISSIONS	TOTAL FEE
APPROVED TITLE V FEE \$23.39 FOR 1/2 YEAR OR \$11.695	24.360	11.695	284.89
RAMP UP FEE \$4.00 FOR 1/2 YEAR OR \$2.00	24.360	2.000	48.72
LESS: FEES PREVIOUSLY PAID			(250.00)
TOTAL APPROVED ANNUAL FEE DUE			83.61

The total tons shown above is the total of all pollutants for which you were previously billed. The maximum emission rate for each pollutant for purposes of fee calculation is 4,000 tons.

* * * FAILURE TO REMIT PAYMENT BY THE DUE DATE COULD * * *
 * * RESULT IN SUBSTANTIAL PENALTY AND INTEREST CHARGES * *

FILE COPY

Coahoma

October 31, 1990

Mr. Jim Thomas
Red Panther Chemical Co.
P. O. Box 550
Clarksdale, Mississippi 38614

Dear Mr. Thomas:

Re: Operating Permit No. 0540-00010
Clarksdale, Mississippi

We have received your application for renewal of the referenced Operating Permit. In accordance with Regulation APC-S-2, Section 3.1.2, your existing Operating Permit "shall remain in effect until final action on the application is taken by the Permit Board", even if the permit expires prior to the final action.

If you have any questions, please contact us.

Very truly yours,

Tim Parrish
North Air Emissions Section

TP:dam



RED PANTHER CHEMICAL COMPANY

P. O. BOX 550
CLARKSDALE, MISSISSIPPI 38614
September 2, 1994.

No 16376

To
UNITED SOUTHERN BANK
CLARKSDALE, MISSISSIPPI 38614

PAY

\$ 250.00

TO THE ORDER OF —

RED PANTHER CHEMICAL COMPANY

Dept. of Enviromental Quality
Interim Title V Air Fee, Box 10305,
JACKSON, MS. 39289-0385

By

By

[Signature]
Charles E. Brown

⑈016376⑈ ⑆084201210⑆ 010 0025259⑈

DS40 - 00010

Invoice No. 25

~~Title V~~

ACCOUNT DISTRIBUTION

1 T/C	9 GENERAL LEDGER ACCT. NO.	46 UNITS	56 DEBIT \$	56 CREDIT \$	68 SUB. NO.
	2405-00		250.00		

RED PANTHER
CHEMICAL COMPANY

No 16376

DETACH BEFORE DEPOSITING



DEPT OF ENVIRONMENTAL QUALITY
 INTERIM TITLE V AIR FEE
 P. O. Box 10305
 Jackson, MS 39289-0385

** INVOICE **

** INTERIM TITLE V AIR OPERATING PERMIT FEE **

BILL TO:
 RED PANTHER CHEMICAL CO

 P O BOX 550
 CLARKSDALE, MS 38614

INVOICE # 25
 INVOICE DATE: 8/01/94

CONTACT PERSON: Cheryl Shelby
 TELEPHONE: 601-961-5381

FACILITY I.D. # 0540-00010

TERMS: Due 9/1/94

POLLUTANT	ACTUAL OR ALLOWABLE EMISSIONS	TONS OF EMISSIONS BILLED	FEE PER TON OF EMISSIONS	TOTAL FEE
PARTICULATE MATTER	0.000	0.000	4.00	0.00
SO2	0.000	0.000	4.00	0.00
NOX	0.000	0.000	4.00	0.00
CO	0.000	0.000	4.00	0.00
VOC	24.360	24.360	4.00	97.44
LEAD	0.000	0.000	4.00	0.00
TRS	0.000	0.000	4.00	0.00
TOTAL HAP's (VOC)	24.360	0.000	4.00	0.00
TOTAL HAPs (Non-Voc)	0.000	0.000	4.00	0.00
CFC's / HCFC's	0.000	0.000	4.00	0.00
ADJUSTMENT FOR \$250 MINIMUM FEE				152.56
TOTAL ANNUAL FEE DUE				250.00

As defined in Senate Bill # 2649, a minimum fee of \$250 shall be assessed to and collected from the owner or operator of each facility that is required to hold a Title V Permit.

* * * FAILURE TO REMIT PAYMENT BY THE DUE DATE MAY * * *
 * * * RESULT IN SUBSTANTIAL PENALTY AND INTEREST CHARGES * * *

Cochoma Dann



RECEIVED
OCT 26 1990
Dept. of Environmental Quality
Bureau of Pollution Control

DATA

STATE OF MISSISSIPPI
DEPARTMENT OF NATURAL RESOURCES
BUREAU OF POLLUTION CONTROL
E.O. BOX 10385
JACKSON, MISSISSIPPI 39209

For Agency Use
FACILITY NUMBER
0540-00010
Date Received

Month Day Year

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

APPLICATION FOR: CONSTRUCTION PERMIT RENEWAL - PLEASE CHECK APPROPRIATE BOX

1. Name, Address, Location, and Telephone Number

A. Name RED PANTHER CHEMICAL COMPANY

B. Mailing Address of Applicant

1. Street Address or P.O. Box P.O. Box 550 (Normandy & Patton Streets)

2. City Clarksdale 3. State Mississippi

4. Zip Code 38614 5. Telephone No. (601) 627-4731

C. Location of Facility

1. Street Long. - 90-33-0 44 Lat. - 34.11 0 11

2. City Clarksdale 3. State Mississippi

4. Zip Code 38614 5. Telephone No. (601) 627-4731

D. If the facility is located outside the City limits, please provide a sketch or description showing the approximate location and attach to this application.

2. SIC Code 2879

3. Number of Employees 100

4. Principal Product Agricultural Pesticides

5. Principal Raw Materials Agricultural Pesticides

6. Principal Process Formulation of liquid & powdered herbicides & insecticides

7. Maximum amount of principal product produced or raw material consumed per day 80,000

8. (A) Check here if operation which generates air pollutant emissions occurs all year , or specify the months the operation occurs:

(B) Specify how many days per week the operation occurs: 5 days

(C) Specify how many hours per day the operation occurs: 24 hours

9. If this application is for existing facility permit renewal only, has the facility been modified in any way (including production rate, fuel, and/or raw material changes) during period covered by the Operating Permit Yes No or since 1972? Yes No
If Yes, give year(s) in which modification(s) occurred. 1989

10. ALL APPLICATIONS MUST BE SIGNED BY THE APPLICANT.

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 I am the owner or chief corporate officer, or his designated representative, responsible for complying with air pollution control laws and regulations.

Jin Thomas
Printed Name of Person Signing

Director of Technical Services
Title

10/22/90
Date Application Signed

Jin Thomas
Signature of Applicant

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

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

PARTICULATE EMISSIONS CONTROL EQUIPMENT

- | | |
|-------------------------------------|----------------------------|
| 1. Cyclone(s) _____ | 5. Venturi Scrubber _____ |
| 2. Water Scrubber _____ | 6. Cyclonic Baghouse _____ |
| 3. Baghouse <u> X </u> | 7. Cyclonic Scrubber _____ |
| 4. Electrostatic Precipitator _____ | 8. Other _____ |

GASEOUS EMISSIONS CONTROL EQUIPMENT

- | | |
|-------------------------------|----------------|
| 1. Water Scrubber _____ | 3. Other _____ |
| 2. Activated Carbon Bed _____ | |

WASTE 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 _____ |

Pneumatic Conveying System X

Other (please describe)

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.

FUEL BURNING EQUIPMENT
(Except for Refuse Disposal)

1 FACILITY NAME		Address		for Agency use Only	
Red Panther Chemical Company		Normandy & Patton Streets P.O. Box 550 Clarksdale, MS 38614			
FACILITY NUMBER		Information for Calendar Year		Date	
OS40-00010		19 89			

2	3	4	5	6	7
Reference Number	Manufacturer and Model Number	Rated Capacity 10 ⁶ BTU/hr ±	Type of Burner Unit (use code 1*)	Usage (use code 2*)	Most Usage % Process % Space heat
1	Cleaver Brooks CBH-40	1.3	7	1	10%
2	Kemp PH-4	.400	7	5	100%
3	Carrier 58GP100-Z	.10	7	3	100%
4	Carrier 58GA175-3A	.175	7	3	100%
5	Carrier 58GA100-2A-C	.100	7	3	100%
6	Carrier 58GP175-CA	.175	7	3	100%
7	Trane TUP120A960B0	.120	7	3	100%
8	Trane TUP120A960B0	.120	7	3	100%
9	Trane TUP120A960B0	.120	7	3	100%
10	Trane TUP120A960B0	.120	7	3	100%
11	Whirlpool NVG150DK01	.120	7	3	100%
12	Whirlpool NVG150DK01	.120	7	3	100%

1* BURNER CODES

1. Cyclone furnace
2. Pulverized coal
3. Spreader Stoker
4. Hand fired
5. 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)

FUEL BURNING EQUIPMENT

(FOR AGENCY USE ONLY)

Reference Number	Stack Parameters				Fuel Type	Maximum Amount Per Hour (Specify Units)	Amount Per Year (Specify Units)	Heat Content BTU/Gal, etc. (Specify Units)	Percent Sulfur	Percent Ash
	Stack Height Feet	Inside Exit Dia. Feet	Exit Gas Velocity Feet/Sec.	Exit Gas Temperature Degree F.						
#1	12'	8"		Approx. 300°F	Natural Gas	1.3 MM Cu. Ft. Per Hour	832 MM B.T.U.	1011 BTU/CF	0%	0%
#2	None	None	None	Ambient	"	4000 C.F.H.	24.9 MM C.F.H.	1011 BTU/CF	0%	0%
#3	18'	4"		Approx. 200°F	"	100,000 BTU	89.6 MM BTU	1011 BTU/CF	0%	0%
#4	18'	4"		"	"	175,000 BTU	125.4 MM BTU	1011 BTU/CF	0%	0%
#5	18'	4"		"	"	100,000 BTU	89.6 MM BTU	1011 BTU/CF	0%	0%
#6	18'	4"		"	"	175,000 BTU	125.4 MM BTU	1011 BTU/CF	0%	0%
#7	20'	6"		"	"	120,000 BTU	100.0 MM BTU	1000 BTU/CF	0%	0%
#8	20'	6"		"	"	120,000 BTU	1000 MM BTU	1000 BTU/CF	0%	0%
#9	20'	6"		"	"	120,000 BTU	1000 MM BTU	1000 BTU/CF	0%	0%
#10	20'	6"		"	"	120,000 BTU	1000 MM BTU	1000 BTU/CF	0%	0%
#11	20'	6"		"	"	120,000 BTU	107.5 MM BTU	1011 BTU/CF	0%	0%
#12	20'	4"		"	"	120,000 BTU	107.5 MM BTU	1011 BTU/CF	0%	0%

FUEL SUPPLIERS: Natural Gas

Supplier Miss. Valley Gas

FUEL BURNING EQUIPMENT

(FOR AGENCY USE ONLY)

11

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Reference Number	Air Pollution Control Equipment				Emissions (Tons/Year)			Basis of Estimate
	Manufacturer and Model Number	Type ^o (Use Table 1)	Efficiency		Particulate	So2	Other (quantity)	
			Design	Actual				

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

MANUFACTURING PROCESS OPERATIONS

(FOR AGENCY USE ONLY)

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Reference Number	Process Emissions*			Basis for Estimation	(Agency Comments Only)
	Particulates	Sulfur Oxides	Others (Specify by chemical composition)		
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	"	
WP #3	.0005 lb/hr 3 lb/yr	0	0	"	

*Please Express Emissions as Tons per Year and Pounds per Hour and Identify Units Being Used.

REFUSE DISPOSAL AND INCINERATION

A Company Name Red Panther Chemical Company		Information for Year 1987 - 1989		(Agency Use Only)
Address Normandy & Patton Streets Clarksdale, MS 38614		Date		

B			C		D	E
Description of Waste Materials			Maximum Amount Per Day (Pounds)	Amount Per Year (Tons)	Method of Disposal 1*	
Type (Describe)						
Bags & Fiber Drums		1000 lbs.		130		2 & 6
Liquid				150		6
#6 designates HAZARDOUS WASTE sites at Emelle, AL & Plaquemine, LA						

If Waste Disposal is by Incineration, Specify the Following:

1. Type of Incinerator:
- single chamber
 - multiple Chamber
 - Modified (describe)
 - Other (describe)
 - Rotary
 - Flue Fed

2. Manufacturer's Name:

Model Number _____
 Rated Capacity _____ Pounds / Hour _____ Type Waste _____
 3. Quantity Burned: _____ Pounds / Day _____
 _____ Tons / Year _____
 _____ Hours / Day _____
 _____ Days / Year _____
 4. Operating Schedule _____

*1 Disposal Method Codes

- 1. Open Burning
- 2. Landfill (No Burning)
- 3. Incinerator (Complete rest of Form)
- 4. Critical Burner (TaaPaa)
- 5. Burned in Boiler or Furnance
- 6. Other (Specify)

(AGENCY USE ONLY)

5. Auxiliary Fuel: Type _____

 Amount/Year (Specify Units) _____

 Heat Content _____

 Percent Sulfur _____

 Percent Ash _____

 Supplier's Name _____

6. Pollution Control Equipment: Manufacturer _____

 Model Number _____

 % Efficiency _____

 Type _____

 GPM Water Flow
(If Wet Scrubber) _____

7. Stack Data: Height _____ Feet

 Inside Exit Diameter _____ Feet

 Exit Gas Velocity _____ Feet/Sec.

 Exit Gas Volume _____ SCFM

 Exit Gas Temp. _____ °F.

8. Estimated Emissions From Refuse Incineration:

 Name: Basis of Estimates:

 Particulates _____ Tons/Year _____

 Sulfur Oxides _____ " _____