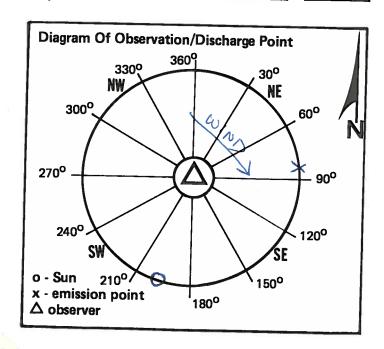
Plant Name	HERCULES, INC.
Address:	P.O. Box 1987
City:	HATTIESBURG.
Emission P	oint: _north stack
Date:	677+ DECEMBER 1984
Is emission	point operation normal ?

	Initial	Final
Distance to discharge	600	
Direction to discharge	E	
Height of observation point	0'	
Height of discharge	200'	
Plume color	WHITE	
Plume background	Sky	
Water vapor in plume?	NO	
Wind direction (from)	NW	·
Wind speed	10-15mp4	·
Ambient temperature	650°	
Discharge temperature		· · · · · · · · · · · · · · · · · · ·
Sky conditions	CLEAR	



V. E. Observer:	HEDI	Mavery	

Certification Expiration: 4 95

Set No.			Opa	city	
	Start	End	Sum	Average	
1	1:20	1:26	505	21	
2	1:26	1.32	550	23	
3	1:32	1:38	470	18	

Overall Average: 2176

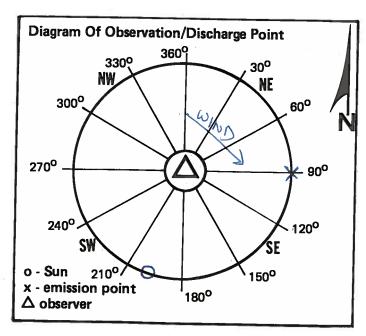
Seconds				
Min.	0	Seconds 15	30	45
0	15	15	25	25
1	25	25	20	20
2	20	20	20	20)
3	20	20	25	20
4	20	20	20	20
1 2 3 4 5	25 20 20 20 20 30 25 25 20 20 20 20	25	25	25
Ō	30	25	25	20
1	25	25	20	25
2	25	25	25	25
3 4 5	20	20	15	DO
4	20	25	20	2.5
5	20	25	20	25
)	20	20	20	20
	. 15	20	15	20
2	15	20	20	25
3	15	25 20 20 25 25 25 25 25 25 25 25 25 25 25 25 25	25 20 20 20 25 25 25 25 25 20 25 20 25 20 25	25 20 20 20 25 25 25 25 25 25 25 25 25 25 25 25 25
	5	15	15	15
5	15	15	15.	20

			
900	The state of the s	and the same of th	
	DATA CO	OED S	
and a		AR SERVE BACK	
			200

Received By: Alle Bek

		Initial	Final
Is emission poi	nt operation	normal ?	15
Date:	OTH Decem	uber 198	14
Emission Poin	: South	slack	
City:	Hamesbu	RG_	
Address:	PO. Box	1937	
Plant Name: _	Hercuie	25 /NC.	

Distance to discharge	600′
Direction to discharge	-
Height of observation point	
Height of discharge	200'
Plume color	WHITE
Plume background	SKY
Water vapor in plume ?	NO
Wind direction (from)	N
Wind speed	10-15 MPH
Ambient temperature	50°
Discharge temperature	
Sky conditions	CLEAR



V. E. Observer:	HEIDI	Nower	
			_

Certification Expiration: 4/85

Set No.			Opa	city
	Start	End	Sum	Average
1	1:20	1:26	275	12
2	1:26	1:32	280	12
3	1:32	1:38	735	10

Overall Average: ______

Seconds				
Min.	0	15	30	45
0	0	10	5 0 0	15
1	15	18	10	15
2	15 15	10	(01	10
3	10	10	10	10
4	10	15	10	
2 3 4 5	. 10	10	15	10
ō	10 10 10 10 10 10	01	10 10 15 10 10	1>
1	10	10	10	10
2 3 4 5	10		15	
3	10	15 10 15 10 10	18	10
4	10	15	15	15
5		10	15	15
0	10	15	10	10
1	. 10	10	10	10
2	10	10	10	10
2 3 1 5	10	10	10	10
1	10	10	10	10
5	D	5	3	15

Company of the Compan		
Remarks:	A CODED	
-,		
	-	

Received By: La Man Gelle

(
Plant Name:	s, Inc.	
Address: P.O. Box	1937	
City: HATTIES B	ulg	
Emission Point:	Lack	
Date: 2151 Nov	ember 19	4
Is emission point operation (normal ?	YES
<u>.</u>	4	-
	Initial	Final
Distance to discharge	600'	
Direction to discharge	ω	
Height of observation point	_6'	
Height of discharge	200	
Plume color	ABTOM-CERA	
Plume background	314	
Water vapor in plume ?	NO	, ,
Wind direction (from)	NE	
Wind speed	10 MPH	<u> </u>
Ambient temperature	55°	-
Discharge temperature		
Sky conditions	P. Claudy	1-

Diagram Of Observation/Discharge Point 330° NW 300° NE 60° 270° SW 0 - Sun 210° x - emission point Δ observer
--

V. E. Observer:	4/2701	Mowery	
Certification Expiration		4/85	-

Set No.			Opa	city
	Start	End	Sum	Average
1	11/10	11:16	380	طا
2	11:16	11:22	375	140
3	11:22	11:28	360	15

Overall Average: 1670

	S	econds		
Min.	0	15	30	45
0	5	20	15	15 15
1	15	15	5	15
2	15	15	20	15
3	15	5	5	15
4	5	5	15	20
5	5	15	15	20
1 2 3 4 5 0 1 2 3 4 5	15	55555	200	20 20 20
1	20	15	15	Ī
2	5	5	12	15
3	15	15	15	S S S
4	15	15	5	15
5	15	18	15	5
0	15	15	15	15
1	15	15	15	5
2	10	15	15	15
3	15	15	15	15
1 2 3 4	50000000000000000000000000000000000000	50000000000000000000000000000000000000	500000000000000000000000000000000000000	2000
5	15	2es	12	13

Remarks:		 	
	R1	 	۸



Plant Name: HERO	LULES, INC	
Address: P.O. Bo		
City: HATTIES	SBURG	
Emission Point:north	stack	
Date: 21 2 Nov	EMBER 19	184
Is emission point operation r	normal ?	YES
	Initial	
Distance to discharge	600	
Direction to discharge	₩ W	
Height of observation point	0_	
Height of discharge	200	<u>u</u>
Plume color	YOUCW-GRE	1
Plume background	<u>364</u>	
Vater vapor in plume ?	NO	11
Vind direction (from)	NE	
Vind speed	10 MPH	·
Ambient temperature	550	
Discharge temperature	-	
ky conditions	P. CICUIN	

Diagram Of Observation)°
300° NW	30° NE
2700	90° N
240° SW	120°
o - Sun 210° x - emission point △ observer	150°

V. E. Observer:	<u>last</u>	Mourey

Certification Expiration: 4/85

Set No.			Opacity	
	Start	End	Sum	Average
	11:10	11:16	285	12
2	11:16	11:22	365	15
3	11:52	11:28	305	13

Overall Average: 13%

	S	econds		
Min.	0	aconds 15	30	45
0 1 2 3 4 5	10	15	10	10 10 15
1	10	10	10	10
2	10	10	10	15
3	15	10	15	15
4	15	15	15	10
5		15	0	
0	15	10	10	10
1	0	10	10	12
1 2 3 4 5	15	15		18
3	15	20	201	20
4	20	18	13	20) 15
5	20	20	25	20
)	20	20	15	13
	15	15	15	15
2	20 20 15 0	15	10 20 15 25 15 15	trs
3	10	10	10	ns
	10	10	10	5
	15	10	10	15

				
		To all the second	3	
	DA:	TA CODED	3	
	The state of the s	the regard of a second state	-	

1	,				
Plant Name: + RCULES	INC.				
Address: P.O. Box 19	37 / W. 7m	Ave			
City: HATTESBURG					
Emission Point: NORTH ST	rex				
Date: 10TH OCTOB	ER 1984				
Is emission point operation r	ormal? <u>Y</u>	5			
	Initial	Final			
Distance to discharge	600'				
Direction to discharge	ENE				
Height of observation point	6'				
Height of discharge	2001				
Plume color	GREY				
Plume background	5K1	- (1			
Water vapor in plume ?	NO				
Wind direction (from)	ESTE				
Wind speed	ZMPIT				
Amhient temnerature	750				

Diagram Of Observation 330° 360 NW 300°	30° NE 60° N
240° SW ο - Sun 210° Sx - emission point Δ observer	120° SE 150°

CLOUDY W/ SHOWERS

Discharge temperature

Sky conditions

V. E. Observer:	HEIDI	Mowery	

Certification Expiration: 10/84

Set No. Time		Opa	city	
	Start	End	Sum	Average
	1119	1:25	240	10
2	1:25	1:31	235	10
3	1:31	1:37	225	9

Overall Average: 10%

	Seconds				
Min.	0	econds 15	30	45	
0	5	10	N	61	
1	10	10	10	10	
2	10	10	10	10	
3	10	10	10	M	
4	10	10	10	10	
5	10	10	0	5	
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5	10 10 10 10 10 10 10 10 10 10 10 10				
1	10	[0]	10	5	
2	10	10	10	IÓ	
3	10	10	10	10	
4	10	10	10	10	
5	10	10	[0]	10	
0	10	10	10	10	
1	10	5	10	5	
2	10	10	10	10	
3	10	10	10	S	
4	10	10	01	10	
5	10	10	Ø	10	

Remarks: ——				<u>-</u>
		-		
				26
			-	
	- ((1-2			

Plant Name: _	HERCULES	Inc.	
Address:	P.D. Box	937	

City: HAMIESBURG

Emission Point: NORTH GARCE

Date: 167H AUGUST 1964

Is emission point operation normal? <u>NES</u>

	Initial	Final
Distance to discharge	700'	
Direction to discharge	ENE	
Height of observation point		
Height of discharge	2001	
Plume color	CLEY	
Plume background	<u> 5001</u>	
Water vapor in plume ?	<u> ND</u>	-
Wind direction (from)	NE	,
Wind speed	2-4 MPH	
Ambient temperature	900	·
Discharge temperature		

P. CLOUDY

Diagram Of Observation	9
330° 300	30° NE
3000	60° N
270°	900
240° SW	SE 120°
o - Sun 210°	1500
x - emission point △ observer	¹ 180 ^o

Sky conditions

V. E. Observer: HEID1	Mowery
Certification Expiration:	10/84

Set No.	Time		Opa	city
	Start	End	Sum	Average
	2:46	2:52	145	6
2	2:52	2:58	120	5
3	2:5%	3:04	120	5

Overall Average: 5%

Seconds					
Min. 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 5 0 1 2 3 4 5		Seconds 15	30 10 14 014 00 10 10 10 10 10 10 10 10 10 10 10 10	45	
0	THE THE PART OF THE PARTY OF TH	5	5	5	
1	5	5	5	5	
2	5	5	10	3	
3	5	10	5	5	
4	16	3	10	2	
5	5	5	10	5	
0	5	MANA CONTAINMANA MANA CONTAINMANA	5	WA KALAMAN CANAMAN CALAMAN	
1	5	5	2	5	
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
0	5	5	5	5	
1	5	5	5	5	
2	5	5	5	5	
3	5	5	す	5	
4	5	5	ゔ	5	
5	15	5	5	5	

emarks:			
		 <u></u>	
	- 107		
			· · · · · · · · · · · · · · · · · · ·

Plant Name:Hercu	Les, loe.							
Address: P.O. Box 19								
City: HAMESBURG								
Emission Point:		:=:						
Date: 10TH COTOBER 1984								
Is emission point operation	normal ?	153						
, ,	Initial	Final						
Distance to discharge	600							
Direction to discharge	ENE							
Height of observation point	0'	i.						
Height of discharge	2001							
Plume color	CREY							
Plume background	Sky							
Water vapor in plume ?	NO	e II						
Wind direction (from)	ESE							
Wind speed	2 mpit							
Ambient temperature	75°							
Discharge temperature								
Sky conditions	CLOUDY WT	SHOWERS						

/Discharge Point
NE 60°
90°
120°
\$E 150°

V. E. C	Observer:	+	EIDE	Mourey	
		19.28 18.55			_

Certification Expiration: w/st

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	1:19	1-25	240	И
2	1:25	1:31	245	01
3	िअ	िस्र	245	10

Overall Average: 10%

Seconds					
Min.	0	15	30	45	
0	10	10	10	10	
	10	10	10	10	
2	10	10	15	15	
3	15	15		0	
4	10	10	10	10	
5	6	10	10	10	
1 2 3 4 5 0 1 2 3 4 5 0	10 10 15 10 10 10 10 10 10 10 10 10 10 10				
1	10	10 10 10 15 10	10	io	
2	10	10	10	10	
3	10	15	10	10	
4	10	10	10	10	
5	0	0	10	10	
0	15	10	10	10	
1	. 10	10	10	10	
2	10	0	10	10	
1 2 3 4	10	10 10	ID	10	
4	10	10	10	10	
5	10	10	10	10	

Remarks: -	 		 	
<u> </u>	 		 	
				-97
		_		

1/	Λ	Λ
Plant Name:	ules,	dhe
Address: P.O.	Box	1937
City: Hallies	burg	
Emission Point:	th st	ack
Date:	Sept 8	- 19
Is emission point operation (normal ? <u> </u>	yes_
	Initial	// Final
Distance to discharge	5001	
Direction to discharge	N	
Height of observation point		
Height of discharge	2001	
Plume color	grey	
Plume background	Shop	
Water vapor in plume ?	_MO	
Wind direction (from)	E	<u> </u>
Wind speed	light	 -
Ambient temperature	_86°	-
Discharge temperature		
	//	

Diagram Of Observation	_
300° 270°	60°
240° SW	SE 120°
o - Sun 210° x - emission point △ observer	150°

Sky conditions

	V. E. Observer:							
Set No. Time Opacity								
	Start	End	Sum	Average				
/	1:15	1:21	485	20,2				
2	1:21	1:27	365	15,2				
3	1:27	//33	375	15.6				
Overall A	Average: _		17.0%					

_	Se	conds		
Min.	0	conds 15	30	45
0	10	15	20	15
1	20	20	25	25
2	25	30	25	20
3	25	20	20	20
4	20	25	20	20
2 3 4 5	20	15	20	20
ō	15	15	15	10
1	13	15	15	70
2	10	10	15	15
3	20	25	20	20
3 4 5	70	13	10	IS
5	15	15	20	20
ō	25	20	20	20
1	20	20	25	25
2	25	20	15	15
3	10	10	10	10
4 5	10	10	10	10
5	10	10	10	15

Remarks:	Both	hailers	arl
20000	tino	bailers	
_ opera	any.		
-			

1 /	1 1	
Plant Name:	les, dh	<u> </u>
Address: P.O. B.	of 193	7
City: Hatteesk	2mg/	
Emission Point:	h sta	ck
Date: 7 Se	pt 84	
Is emission point operation no	rmal?	'D
	Initial	Final
	500/	
Distance to discharge	<u>500'</u> _	
Direction to discharge	<u>N</u> _	
Height of observation point		
Height of discharge	2001	
Plume color	grey	
Plume background	sky	
Water vapor in plume ?	no _	
Wind direction (from)	<u>E</u> -	
Wind speed	light	
Ambient temperature	<u>85°</u>	
Discharge temperature		
Sky conditions	_clear_	

Diagram Of Observation/Discharge Point 3300 NW NE	60° N
270° SW SE	90°
o - Sun 210° 150° x - emission point 180° \(\Delta \) observer	

V. E. Observer: Mass Certification Expiration: 10/84					
Set No.	Time		Opa	acity	
	Start	End	Sum	Average	
	1:15	1:21	305	12.7	
2	1:21	1:27	2/5	8,9	
3	1:27	/;33	225	9.4	
Overall /	Average:	/	10.3%		

	Se	conds		
Min.	0	conds 15	30	45
0	5	5	10	10
1	70	10	15	20
2	20	10	15	15
3	20	70	75	13
4	20	20	10	10
2 3 4 5	10	10	.10	10
ō	10	70	10	10
1	10	5	10	3
2	3	.5	3	5
2 3	10	15	10	10
4	3	70	10	10
4 5	10	70	10	15
Ō	10	10	15	20
1	15	10	10	15
2	10	(01	10	10
3	10	70	10	5
4 5	5	3	10	5
5	5	.5	\5	5

Remarks: —	Boile	#4	is.	still
down	s for	resair	<u>a</u> .	
	1	7		
<u> </u>				
		r Region		
		17 70	N	-
•			<u> </u>	

Plant Name:	HERCULES,	INC	

Address: PO Box 1937

City: HATTIESBURG

Emission Point: SOUTH STACK

Date: 16TH AUGUST 1984

Is emission point operation normal? YES

	Initial	Final
Distance to discharge	706/	
Direction to discharge	ENE	
Height of observation point	_0'	
Height of discharge	200'	
Plume color	GLEY	
Plume background	SKY	
Water vapor in plume ?	_ HO	
Wind direction (from)	NE	
Wind speed	2-4 MPH	
Ambient temperature	900	
Discharge temperature		

P. Cloudy.

Diagram Of Observation	30° NE 60° N
270° 240° SW o - Sun 210° x - emission point △ observer	90° 120° 180°

Sky conditions

V. E. Observer: HEIDI	Moweey	
Certification Expiration:	10/8-1	

Set No.	Time		Ора	city
	Start	End	Sum	Average
1	2:46	2:52	225	9
2	2:52	2:58	150	6
3	2:58	3:04	145	6

Overall Average: 7%

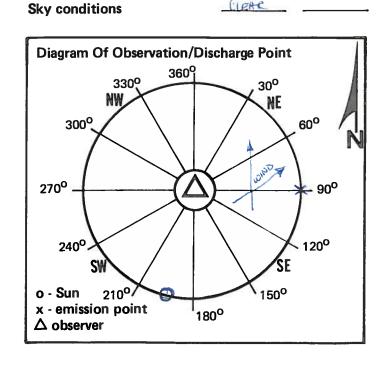
		Seconds		
Min.	0	15 15 15 15 15 15 15 15 15 15 15 15 15 1	30	45
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 3 4 5 5	50500 WWW 0000 WWW WWW.	ち	6-014141401414141414141414141414141414141	\$ 5500000000000000000000000000000000000
1	20	15	10	5
2	5	5	5	15
3	10	15	5	10
4	10	2	5	5
5	5	10	10	5
0	5	5	2	5
1	2	5	5	5
2	5	る	5	S
3	2	10	10	10
4	10	10	5	10
5	3	5	5	5
0	5	5	5	5
1	5	5-	5	5
2	15	10	5	5
3	5	18	5	5
4	5	5	5	5
5	15	10	10	10

lemarks: —	 	 	
	 	 	- 12

		-	

Plant Name:	HERCU	ILES	INC.		
Address:					-2200
City:	HATTI	ESBU	RG_		
Emission Point: .	St	ITUC	STACK		
Date:	25114	APRI	1984		
Is emission point	operation	on noi	mal? _	YES	
			Initial		Final
Distance to disch	arge		600'		

Direction to discharge	E
Height of observation point	<i>0′</i>
Height of discharge	200'
Plume color	GREY-WHITE
Plume background	SLY
Water vapor in plume ?	NO
Wind direction (from)	5-3W
Wind speed	5-10men
Ambient temperature	<u>30°</u>
Discharge temperature	
Sky conditions	CIERC



V. E. Observer:	Mousey
Certification Expiration:	10/84

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	1:00	1.06	390	16
2	1:06	1:12	370	15
3	1112	1:18	250	10

Overall Average: 14%

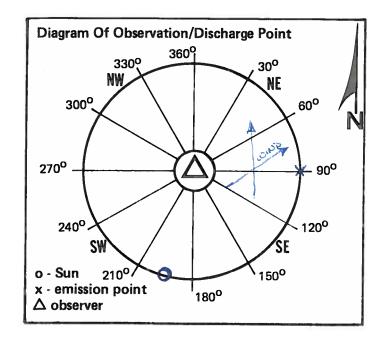
	S	Seconds		
Min.	0	econds 15	30	45
0	10 15	18	10	10
	15	18 20 25 15 10	25 25 20 10	25 20 15 15 15
1 2 3 4 5	25 15	25	25	20
3	(5	15	20	15
4	15 1	10	10	15
5	10	15	15	
Ō	15	5	10	15
1	15	10	10	10
	10	10 10 10 25 25	10	10 10 10 50
3	10	10	10	<u> </u>
4 5 0	25	25	30	50
5	30	20	15	15
0	10	10	10	10
1	10	10	10	10
2	10	10	10	10
3	10	10	10	15
1 2 3 4 5	15	10	io	10
5	10	10	10	10

	immediately prior
to V.E.E.)
	NEW COLUMN

		1	vc.
Address:	P.O. Boy	1937	
City:	HAMESE	sul6	
Emission Point			
Date:	255TH	APRIL	1984

	Initial	Final
Distance to discharge	600	
Direction to discharge	=	
Height of observation point	0'	
Height of discharge	200'	
Plume color	CREY-WHITE	
Plume background	SKY	
Water vapor in plume ?	No	
Wind direction (from)	5-510	<u> </u>
Wind speed	5-10mph	
Ambient temperature	800	
Discharge temperature		

CLEAR



Sky conditions

V. E. Observer:	HEIDT	Mowery	
Certification Expiration	າ:	10/84	

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	1:00	1:06	3,5	15
2	1:06	1:12	430	18
3	1:12	1:18	445	19

Overall Average: 17 %

	Şeconds			
Min.	0	15	30	45
0 1 2 3 4 5 0	15	15	20	20 15 15 15
1	15			15
2	15	15	15	15
3	10	10	10	15
4	15	15	15	15
5	5 5 5 15 15 15 15 15 15 15 15 15 15 15 1	15	20	5 5
ō	15	20 15 10 15 15 15 20 20 15 15 15	15 10 15 20 25 15 20 25 15	20
1	20	15	15	20
2	20 15 20	20	20	20 20 20 20 20 20 15
3	20	20	20	20
2 3 4 5 0	15	20	15	20
5	5 5 5	[5]	15	15
0	15	15	20	15
1	15	15	20	20
2	25	20	20	15
1 2 3 4 5	20	20 25	25	20
4	20	20	20	20
5	15	20	15	20 15 20 20 20

Remarks:	dore were etrone
į.	immediately prior to
V.E.E.	
	DATA COOM

Received By: C. Jondan

Plant Name: HERCULE	s luc.	
Address: P.O. Box	=	
City: HATTIES	ouls	
Emission Point:NOETH	STACK	
Date:	ury 1984	4
Is emission point operation ne	ormal ?	15
	Initial	Final
Distance to discharge	Initial	
Distance to discharge Direction to discharge		
_	600'	
Direction to discharge	600'	
Direction to discharge Height of observation point	600' E 0'	

Water vapor in plume ?	NO	
Wind direction (from)	_ W	<u>-</u>
Wind speed	0-5mpH	
Ambient temperature	900	

CLEAR- P. CLOUSY

Discharge temperature

Sky conditions

Diagram Of Observation	09
300° NW	30° NE 60°
270°	A 90°
2400	120°
o - Sun 210° x - emission point △ observer	SE 150°

V. E. Observer:	HEIDI	Mowery	
Certification Expirat	ion:	10/84	

Set No.	Time		lo. Time Opacity		city
	Start	End	Sum	Average	
	1:36	1:42	250	10	
2	1:42	1:48	180	7	
3	1:48	1:54	155	7	

	Seconds					
Min.	0	15	30	45		
0	5	10	10	10		
1	15	10		10		
2	15	15	(i)	10		
3	10	10	10	10		
4	10	10	10	0		
5	10	10	10	10		
0 1 2 3 4 5	01010101010101010101010101010101010101	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000		
	10	10	10	10		
2	10	10	10	5		
3	10	5	5	5		
4	5	5	5	5		
5	5	ち	5	5		
0	5	5	10	3		
1	づ	5	5	5		
2	5	5	2,	5		
3	5	5	5	5		
1 2 3 4 5 0 1 2 3 4	5	5	10	10		
5	10	10	10	10		

 30 Y-2-2-		-		
-	Special Con-	ers. Sept.		_
 -	State of the state	A STATE OF THE STA		-70
 		The most	5 60	
			110	

sissippi Department of Natural Resour	
Bureau of Pollution Control	
Visible Emissions Evaluation Record	

Plant Name: HERCULE	S, INC.				
Address: P.O. Box 1937					
City: HATTIESBURG					
Emission Point:	STACK				
Date:	1 1984				
Is emission point operation n	ormal ?	45			
	Initial	Final			
Distance to discharge	600'				
Direction to discharge					
Height of observation point	0'				
Height of discharge	2001				
Plume color	GREY				
Plume background	Sky				
Water vapor in plume ?	NO				
Wind direction (from)	<u> </u>				
Wind speed	0-SMPH				
Ambient temperature	905				
Discharge temperature					
Sky conditions	CLEAR -	P. CLOUDY			

Diagram Of Observation/	Discharge Point
330° 360°	NE 60° N
SW 210° ssion point ver	90° 120° 180°

V. E. Observer:	TEIDI	Mucky	
		10/84	
Certification Expiration	on:	10184	

Set No.	Time		Opa	city
Contract of the Contract of th	Start	End	Sum	Average
	1:30	1142	200	8
2	1:42	1:48	130	5
3	1:48	1:54	158	7

7% Overall Average: _____

Seconds					
Min.	0	Seconds 15 5	30	45	
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 0 1	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1255000555555555555555	
1	10	10	5	5	
2	10	10	0	5	
3	5	10	10	10	
4	10	10	10	10	
5	10	10	5	5	
0	10	5	25.	5	
1	5	5	5	5	
2	5	10	5	5	
3	5	5	5	5	
4	5	3	5	5	
5	5	5	5	5	
0	5	5	5	ħ	
1	5	2	5	5	
2	5	5	5	2	
3	3	10	2	5	
4	2	10 10 10 10 10 10 10 10 10 10 10 10 10 1	10	10	
5	10	1.0	10	10	

 Civita Colori	

Plant Name:HERCULES	, loc.				
Address: P.O. Box 1937					
City: HATTIESBUA	26				
Emission Point:NORTH	STACK				
Date: STH JUNE	1884				
Is emission point operation n	ormal? YES	>			
		Final			
Distance to discharge	600'				
Direction to discharge	5w				
Direction to discharge					
Height of observation point					
Height of discharge	200'				
Plume color	WHITE-GREY				
Plume background	SKY				
Water vapor in plume ?	NO				
Wind direction (from)	SSE				
Wind speed	0-SMPH				
Ambient temperature	8%				
Discharge temperature					

Diagram Of Observation	/Discharge Point
3300 360	
NW	30° NE
300°	60°
\ \ \	
270°	900
	*
2400	120°
SW	SE
o - Sun 210°	150°
x - emission point	180°
Δ observer	100

Sky conditions

SUMONY 25/CLOUSS

V. E. Observer:	Heron	MOWERY	
Certification Expirati	on:	10/84	

Set No.		Time Opacity		
	Start	End	Sum	Average
	11:24	11:30	290	12
2	11:30	11:36	380	16
3	11:36	11:42	505	21

Overall Average: 1670

	Seconds				
Min. 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 5 0 1 2 3 4 5	0	15	30	45	
0	10	10	10	10	
1	10	15	10	15	
2	10	10	15	15	
3	5	10	10	10	
4	15	15	15	15	
5	15	10	10	10	
Ō	10	10	10	10	
1	15	15	15	15	
2	15	15	20	20	
3	5	15	15	.20	
4	20	20	20	15	
5	5	[5	20	20	
0	15	15	15	20	
1	20	20	20 7	+ 20	
2	20	25	25	25	
3	25	25	20	20	
4	10 15 15 15 15 15 15 15 20 20 25 20 20 20	10 10 10 15 10 10 15 15 15 20 25 25 25 25	15 10 15 10 10 15 20 15 20 20 25 25 25	10 15 10 15 10 15 20 20 15 20 20 25 20 20	
5	20	25	20	20	

Remarks:
* : an uncharacteristic emission of
greenish tint was observed from this
point on during UEE.
The state of the s
CAPACIAN CONTRACTOR OF THE PARTY OF THE PART
Received By: C Jordan



Plant Name: HERCULES, INC.				
122				
Address: Po- Box 1937				
City: HATTIESBUE	6			
Emission Point: South 51	ACK			
Date: 8TH June	= 1984			
Is emission point operation no	ormal?	65		
	Initial	Final		
Distance to discharge	600			
Direction to discharge	5W_			
Height of observation point	0'			
Height of discharge	200'	 		
Plume color	WHITE-GREY			
Plume background	501			
Water vapor in plume ?	NO			
Wind direction (from)	38E			
Wind speed	0-5 mpst	3.		
Ambient temperature	<u>ૄૄૹૢઌ</u>			
Discharge temperature				

Diagram Of Observation	- 11
Sw Sun 210° mission point pserver	

Sky conditions

V. E. Observer:	HEIDI		Lowery	
Certification Expiration	n:	10	[84]	

Set No.	Time		acity	
	Start	End	Sum	Average
- 1	11:24	(1:30	240	10
2	11.30	11:36	240	10
3	11:36	11:42	240	10

Overall Average: 10%

	Seconds					
Min.	0	15	30	45		
0	10	10	10	10		
		10	10	10		
1 2 3 4 5	10	10	10	10 10		
3	10	10	10	10		
4	10	10	10	10		
5	10	10	10	/0		
Ō	W			10		
1	10	10	10	-10		
1 2 3 4 5	10	10	10	10		
3	6	10	10	10		
4	10	10	10	10		
5	10	10	10	10		
		10	10	16		
1	10	16	10	01		
2	10	10		10		
1 2 3 4 5	10	10	10	0000		
4	10	10	10	10		
5	10	10	10	10		

The tracks in the	TO THE PARTY OF TH	
STEATA COUNTY	Townson State of the State of t	
The state of the s	A STATE OF THE PERSON	
	CATA COM	CATA

Received By: Cordan

Plant Name:	HERC	ules,	Inc.	
	0	_		

Address: _____ P. O. Box 1937 _____

City: HATTLESBURG

Emission Point: __NORTH STACK_

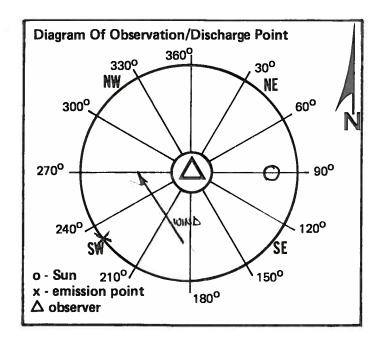
Sky conditions

Date: 24TH MAY 1984

Is emission point operation normal?

	Initial	Final
Distance to discharge	<u>1600'</u>	
Direction to discharge	SW	
Height of observation point	<u> </u>	
Height of discharge	200'	
Plume color	STHW-FEE	
Plume background	Sky	
Water vapor in plume ?	ND	
Wind direction (from)	1SE	
Wind speed	0-5mp+	
Ambient temperature	<u>85°</u>	
Discharge temperature		

CLEAR



V. E. Observer:	HEIDI	Money	
		lalcal	

Certification Expiration: 10/84

Set No.	Time		Opa	city
	Start	End	Sum	Average
	10:30	10:36	490	20
2	10:36	10:42	7675	32
3	10:42	10:48	485	20

Overall Average: 247

				1000
		Seconds		
Min.	0	Seconds 15	30	45
0	15	15	5 25 25 25 25 25 25 25 25 25 25 25 25 25	15
1	15	20	20	20
2	2.5	25	25	30
3	25	25	20	20
4	20	15	5	15
5	20	25	25	25
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5	15 15 25 25 20 25 35 40 35 20 15 15 15 20	15 25 25 25 25 25 35 35 35 35 25 25 25 25 25 25 25 25 25 25 25 25 25	35	15 20 30 20 15 25 35 35 30 15 15 25 25 25 25 25 25 25 25 25 25 25 25 25
1	35	35	30	35
2	40	45	40	35
3	35	30	35	30
4	75	30	30	35
5	30	25	25	20
0	20	25	20	15
1	15	20	15	15
2	15	15	15	15
3	15	25	20	20
4	20	20	25	25
5	30	30	25	25

Remarks:
north stack emissions increased
after V.E.E. was completed, up to about
507-60% within to minutes.
DATA CODED

Received By: L. Tolk

1	. (
Plant Name:	5, 1136.	
Address: P.O. Box	1937	
City: HATTIEZE	our 6	
Emission Point:SOUTH	STRCK	
Date: 24TH M	489 ye	
Is emission point operation no	ormal ?	15
	Initial	Final
Distance to discharge	600'	
Direction to discharge	5W	
Height of observation point	_ 0'	
Height of discharge	200'	
Plume color	GLEY	
Plume background	SUY	
Water vapor in plume ?	NO.	
Wind direction (from)	電光	
Wind speed	0-5mpH	
Ambient temperature	<u>85°</u>	
Discharge temperature		
Sky conditions	CLEAR	

Diagram Of Observation/	- 1
300° NW	NE 60°
270°	900
240° XW,ND	1200
o - Sun 210°	SE 150°
x - emission point △ observer	180°

V. E. Observer:	HEIDI	Maurey	

Certification Expiration: 10/84

Set No.	Time		Opa	city
	Start	End	Sum	Average
	10:30	10:36	120	5
2	10:36	10:42	120	5
3	10:42	10:48	260	

Overall Average: 7%

	Seconds						
Min.	0	Seconds 15	30	45			
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5	555000000000000000000000000000000000000	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	365000000000000000000000000000000000000	5			
1	5	5	5	5			
2	5	5	5	5			
3	5	5	5	5			
4	5	5	5	5			
5	う	5	5	5			
ō	5	5	5	5			
1	5	5.	5	5			
2	5	3	5	5			
3	5	5	Ś	5			
4	5	5	5	5			
5	5	3	75	5			
0	10	15	5	10			
1	10	10	10	10			
2	10	10	10	10			
3	10	10	10	10			
4	10	10	15	15			
5	15	15	15	555555555555555555555555555555555555555			

Remarks: ——	
South st	ack emissions continued to
increase	immediately after completio
of 1).8.8.	for about 5 min., up to
25%	
\$200 \$100 \$100 \$100 \$100 \$100 \$100 \$100	Charles Control of the Control of th
# 10 P	CATA CODED

Received By: T. C. Talk

NAME: HER	CULES			ADD:	RESS:		
EMS NO. 1/1		010-0	10101	O/] PLA	NT TYPE:		
MAJOR ⋈	MINOR ()					Source/	Reference
				` ^			102020100
Emission Po	int Com	binat	ion B	oilers.	#14:	#チ	
Emission Po		00	9				
Emission Da		South	4 51	ACK		TOTAL FO	R BOTH BOILERS
			00 4	7		FROM	5/9/84 + 5/22/84
Stack Heigh				0 -			ACK TESTS
Exit Gas Te	mperature:	ت	201			311	100 10010
Exit Diamet	er:		10 fr	<u> </u>			
Exit Veloci	ty: 32	44	sec		-10		* .
Volumetric	Flowrate:	152	,55	4 ACI	7n _		1
Emission Ra	-		/hr		s/yr	Date	
Current	ico.	100)	1101	,	1984	Stack test
Allowable	PM	100	2 1/2 1/2	476	<i> </i>	17.09	Stack 1001
	so ₂	Sec	Attach	ed			
	NO.						
	CO						
	HC OTHER						
	OTHER					0.711	1. Inch Joseph
Current	PM	40	7.4	215	8	1984	Stack test
Actual	SO ₂	500	AHOC	head			
	NO _x						
	CO						
	HC						
	OTHER						
311.1.		3 ==	All.	Act.	All.		
Applicable Emission F		Act.	AII.	Act.			
	SO ₂						
	NO.				1		
	CO						
	HC						
	OTHER						
UTM ZONE:	16			AQ	CR:	005	
UTM NORTH	201	09,2		LA	TITUDE :		
		30,6		τ.0	NGITUDE:		
UTM EAST:		011				2Weeks/Year	Hours/Year
OPERATING	SCHEDULE:	LT HO	ours/Day	/ Days			
PSD Revie	w Subject:		NSPS:		NESH		
SCC CODE:					SIC	CODE:	
COMMENTS:	NEDS	- L -					
	エント	= 0.2					

en anne que esperant et al T

4

0 0		- 11	ADDRESS	:			
ME: Hercules, D	nc)	0.01				0	
ME: NO. 1/10-0/8/0/	<u>0 - 01 01</u>	0/0/1	_	_			owonce -
						Source/ Ref	erence
nission Point Com	Orinata	ion Ba	oilers:	#3	4 #	4	
escription	10					020	0 0 11 505
mission Point No.	th s	Shor	B		To	TAL FORE	BOTH BOILERS
mission Data: 10	M.S	- L.L				FROM 5/	8-9/84
tack Height:	225	DE				STACK	TESTS
Exit Gas Temperature:		OPF					
		f+	o an an al-				8
Exit Diameter: 33.5	ft/sec	- 7 4	Tu.	·	1		
Volumetric Flowrate:	15769	1-AC			T	Date	
	1b/h	r	tons/		+-	1984	Stack Test
Emission Rates: Current	122	5	535	<u>, </u>	\pm		
SO ₂	See	Attach	0 d		-		
NO.X CO							
HC OTHER			040	G	1	1984	stack Test
Current	50	5,6 Atta	242		1		
Actual PM SO ₂ NO _y	250	- H 119					
CO	Ţ						
HC OTHER	1	All.	Act.	All	.		
Applicable Baseline Emission Rate	Act.						
PM SO ₂							
NO		 					
CO HC				-			
OTHER			Δ.	QCR:			
UTM ZONE:				ATITUD)E :		
UTM NORTH:				LONGITU			
UTM EAST:						Weeks/Year	Hours/Year
OPERATING SCHEDULE	1: 1	Hours/Day	y Day	ys/Weel	NESH!		
PSD Review Subject		NSPS:					
					SIC	CODE:	
SCC CODE:	<u> </u>	-					
me. MED	<u> </u>						

COMMENTS: NEDS $ID = \emptyset 3$

HERCULES 110-0800-00001

Wood waste Boilers (Emission Points 009 + 010) Rating 276 × 106 Btu/hr

SO2 Emissions (PER UNIT)

Allowable - 4.8 #/106Btu ⇒ 1324.8 #/hr

Actual - For 1982 (using woodwaste) 1.5#502/ton x 4.8 Ton/hr = 7.2 # 502/hr = 31.54 TPY

If used 100% fuel oil, 502 would be!

Fuel oil Characteristics - 2.05%, 18,444 Bty/16, 8 #/ga

MAX RATE DF USAGE 15 2150 gal/hr

: 2150 gal | 8 # oil | .0205#5 | 2 #50a | - 705.2 #50a

In | gal | # oil | # 5 | - 705.2 #50a

no 1 # oil | # oil | - 2.22 #50a

oil | # oil | - 2.22 #50a

oil | # oil | - 2.22 #50a

Plant Name: HERCULES, NC							
Address: P.O. Box 1937							
City: HATTIES BURG							
Emission Point: NOCTH STACK							
Date: 12 JANUARY 1984							
Is emission point operation normal?							
Initial Final							

Distance to discharge	<u> 600'_</u>
Direction to discharge	<u> </u>
Height of observation point	
Height of discharge	200/
Plume color	GREY
Plume background	<u> 50)</u>
Water vapor in plume ?	<u>NO</u>
Wind direction (from)	88E
Wind speed	0-5 MPH
Ambient temperature	<u>55°</u>
Discharge temperature	

SLATTELED CLOUDS

Diagram Of Observation	- 1
300° NW	NE 6(J°
270°	90°
240° SW UNITED	SE 120°
o - Sun 210° x - emission point △ observer	150°

Sky conditions

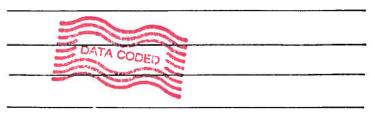
V. E. Observer:	FIDI MOWERY
Certification Expiration:	16.5

Set No.	Time		Opacity		
	Start	End	Sum	Average	
	10:56	11:02	1135	45.	
2	11:02	11:08	690	28	
3	11:08	11:44	825	33	

Overall Average: 55%

Seconds					
Min.	0	Seconds 15	30	45	
0	50	46	95 50 75 35 35 35 35 35 35 25 25 25 25 25 25 25 25	75	
1	60	50	ත්ථ	60	
2	60	50	75	75	
3	50	<i>3</i> 5	35	35	
4	30	3ට	35	35	
5	30	30	25	25	
ō	25	25	25	25	
1	25	25	30	35	
2	<i>3</i> 5	కే ల	35	30	
3	30	30	30	કેલ્ડ	
4	30	3 5	30	25	
5	30	25	25	25	
0	20	20	20	30	
1	25	65	50	35	
2	35	50	55	50	
3	60 50 30 30 25 25 35 30 30 20 25 35	25	25	25	
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5	30	40 50 50 35 35 25 30 35 25 25 30 25 25 30 25	25	35	
5	30 25	25	55	60 75 35 25 25 25 30 30 25 25 25 35 30 25 35 30	

Remarks: —	 	· · · · · · · · · · · · · · · · · · ·	
1.83			
· · · · · · · · · · · · · · · · · · ·	 		



Received By:	2. Fall	

),	1	
Plant Name: HERCULES	NC.	
Address: P.O. Box	1937	
City: HATTIESBL	ur6	
Emission Point:	STACK	
Date: 12 JANU	ARY 1984	
Is emission point operation no	ormal?	5
	Initial	Final
Distance to discharge	600	
Direction to discharge	<u> W</u> .	
Height of observation point	_6′_	
Height of discharge	200'	
Plume color	CRE	
Plume background	SKY.	
Water vapor in plume ?	NO	
Wind direction (from)	55E	
Wind speed	05mpH	
Ambient temperature	<u>55°</u>	
Discharge temperature		

Diagram Of Observation/	
300° NW	NE 60°
270° *	90°
240° SW	120°
o - Sun 210° x - emission point △ observer	150°

SCATTERED CLOUDS

Sky conditions

V. E. Observer:	HEIDI	Mowery	
Certification Expirati	on:	4/84	

١

Set No.	Time		Opacity	
	Start	End	Sum	Average
	10:56	11:02	450	18
2	11:02	11:08	615	25
3	11:08	11:14	385	15

Overall Average: 197c

		Seconds		
Min.	0	Seconds 15	30	45
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 5	10	10 15 15 30 25 30 25 30 25 15 15 15 15 15 15 15 15 15 15 15 15 15	15 15 20 20 20 25 25 25 25 25 25 25 25 25 25 25 25 25	15 15 25 20 20 20 20 20 20 20 20 20 20 20 20 20
1	10	15	5	15
2	15	15	20	15
3	15	15	20	25
4	25	30	20	20
5	20	25	35	30
ō	30	30	25	25
1	25	25	25	30
2	30	35	30	25
3	25	25	25	30
4	25	20	25	20
5	25	5	25	20
0	15	15	15	20
1	20	20	20	20
2	15	15	15	15
3	15	15	15	15
4	15	15	15	15
5	15 15 25 26 30 25 25 25 25 25 15 15 15	15	15	5

 9111	DATA COD		
		ED CIE	
		12	

Plant Name:	5, lac.	
Address: P.D. Box	1937	
City: HATTEBUR		
Emission Point: Bours		
Date: 22 FEBRUAR		
Is emission point operation no	•	
is simission point operation in		
	Initial ,	Final
Distance to discharge	600	
Direction to discharge	<u> </u>	
Height of observation point	_ 0'_	
Height of discharge	2001	
Plume color	GREY	
Plume background	sky	
Water vapor in plume ?	<u>No</u>	
Wind direction (from)		
Wind speed	D-2MPH	
Ambient temperature	65°	
Discharge temperature		
Sky conditions	WEAR	

Diagram Of Observation	99
300° NW	30° NE
270° KUIND	900
240°	1200
o - Sun 210° x - emission point △ observer	180°

Sky conditions

V. E. Observer:	Heidi Nowery
	4124
Certification Expiration	: 4184

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	10:52	10:54	120	5
2	10:58	11:04	150	5
3	11:04	11:10	120	5

Overall Average:

37		Seconds		
Min.	0	Seconds 15	30	45
0	5	20 20 20 20 20 20 20 20 20 20 20 20 20 2	からないないないのからあるから	5 5 5 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5
1	\$	5	5	5
2	5	5	5	5
3	5	る	5	5
4	5	5	5	す
5	5	5	5	う
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5	WANDUNAMAND WAND	10	5	ず
1	5	5	5	5
2	5	5	5	5
3	3	ず	ฐ	5
4	5	5	5	5
5	5	5	5	54
0	\$	5	5	5
1	· 5	2	T	5
2	5	5	5	5
3	5	5	5	5
4	5	5	2	5
5	5	5	5	5

Remarks:
BOILERS # AND # 2 WERE
SHUT DOWN AS OF THE NIGHT SHIFT:
SOME TEACES OF SMOKE WERE
STILL EVIDENT AT TIME OF V.F.E.
DATA CODED
D. Total
Pageined Pro. 14 Ct SUP

Plant Name:	5, lx			
Address: P.O. Box	1937			
City: HATTIESBURG				
Emission Point:	1			
Date: 22 Febru	. , .			
Is emission point operation no	ormai r	<u></u>		
	Initial	Final		
Distance to discharge	600'			
Direction to discharge	<u> </u>			
Height of observation point	D'			
Height of discharge	200'			
Plume color	GLEY			
Plume background	SKY			
Water vapor in plume ?	NO			
Wind direction (from)	3E_			
Wind speed	0-2MPH			
Ambient temperature	<u>65°</u>			
Discharge temperature				

Diagram Of Observation	
300° NW	NE 60°
270° * LUAD	90°
240° SW	120°
o - Sun 210° x - emission point △ observer	150°

Sky conditions

CLEAR

V. E. Observer:	HEIDI MOWERY
Certification Expira	tion: 4184

Set No.	Time		Opa	city
	Start	End	Sum	Average
1	10:52	10:58	405	17
2	10:5%	11:04	280	12
3	11:04	11:10	290	12

Overall Average: 14%

Seconds				
Min.	0	aconds 15	30	45
0	10	10	15	15-
1	10	10	10	0
2	10	ಡ	3ට	40
3	60	15	25	3ల
4	20	D	10	0
	10 60 20	ID	30 25 10	5
5	10	10 13 10 10 10 15 10	10	10 32 10 5 20 10 10 10 10 10 10 10 10 10 10 10 10 10
1	10	10	18	15
2 3 4 5	10 10 15 10	10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	61
3	10	10 10 15 10 10	5	10
4	[[]	10	10	10
5	10	15	15	5
ō	10	ID	10	10
1	10	10	5	0
	10	10	10	10
3	10	10	15	5
2 3 4 5	10	10	5 10 15	15
5	15	15	G	10

DATA GODEN

Received By: F.C. Tolk

,\	l .	
Plant Name: HERCULES		
Address: Po, bx	1937	
City: HATTIESBU	IR G	
Emission Point: NOETH	STACK	
Date: 8 NARCE	+ 1984	
Is emission point operation no	ormal? YE	5
	Initial	Final
Distance to discharge	600'	
Direction to discharge	<u> </u>	
Height of observation point	_0'_	7
Height of discharge	200'	
Plume color	GEEN BLACK	
Plume background	<u>sky</u> _	
Water vapor in plume ?	<u> </u>	
Wind direction (from)	<u>www</u>	
Wind speed	5-10 ALPH-	
Time speed		
Ambient temperature	<u>650</u> _	
Discharge temperature		

Diagram Of Observation/	Discharge Point
3300 3600	, 30°
NW	NE
3000	60° N
2700	90°
(wwo	
240°	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
SW	SE
o - Sun 210°/ x - emission point	150°
△ observer	180 ⁰

Sky conditions

CLEAR

V. E. Observer:	Heroi	Nowery	
Certification Expira	ntion:	4/84	

Set No.	Time		Opa	city
	Start	End	Sum	Average
- (11:25	11:31	००५	42
2	11/31	11:37	870	36
3	11:37	11:43	940	39

Overall Average: 39 %

		Seconds	31151	
Min.	0	Seconds 15	30	45
0	50	40	40 35 15 45	35
1	45	30	35	25
2	50	30	15	15
3	55	55	45	20
4	15	15	10	100
5	90	80	50	15
1 2 3 4 5 0 1 2 3 4 5 0	50 45 50 55 15 90 20 25 25 25 25 40 85	40 30 30 55 15 80 20	50 15	35 25 15 20 100 15 25 30 35 180 20 100 100 100
1	25	40	3ව	25
2	30		30	25
3	25	50	45	<u> </u>
4	25	25	25	35
5	35	60	100	100
0	40	15	ට ්ට	60
1	85	100	60	25
2	10	10	15	20
3	40	30	15	0
1 2 3 4 5	10	40 50 25 60 15 100 60 25 20	30 30 45 25 25 25 25 25 25 25 25 25 25 25 25 25	100
5	100	20	10	10

Remarks:	THE INTERMITTANT
Excursion	NS CONTINUED IN THE
FOLLOWING	6 Hour.
	The second secon
ed by the state of	17.0
	DATA CODED
	and the strange of
Received By:	f. Talk

1\	1	
Plant Name: Hercuus	, MC.	
Address: P.O. Box	1937	
City: Hameso	ulc	
Emission Point:	TACIC	
Date: 8 Nareca	+ 1984	
Is emission point operation no	ormal?YE	3
	Initial	Final
Distance to discharge	600'	
Direction to discharge	<u>w</u> .	
Height of observation point	_6'_	
Height of discharge	200'	<u></u>
Plume color	GREY	
Plume background	SVY	
Water vapor in plume ?	<u>NO</u>	
Wind direction (from)	WNW	
Wind speed	5-10 MPH	
Ambient temperature	650	
Discharge temperature		

Diagram Of Observation	/Discharge Point
330° 360'	NE NE
300°	60° N
270° WIND	90°
240° SW 0 - Sun 210°	SE 150°
o - Sun 210 ⁰ x - emission point △ observer	180°

Sky conditions

V. E. Observer:	HEIDT	Mowery	
Certification Expirat	ion:	1/84	

Set No.	Set No. Time			city
	Start	End	Sum	Average
1	11:25	11:31	125	5
2	11:31	11:37	145	6
3	11:37	11:43	120	5

Overall Average: 5%

		Seconds		
Min.	0	15	30	45
0 1 2 3 4 5 0 1 2 3 4 5 0	5	5 4 2 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	30 55555566556555656565656565656565656565	55555555555555555555555555555555555555
1	5	5	5	5
2	15	01	5	5
3	15	5	5	5
4	5	5	3	5
5	5	5	5	5
ō	5	5	5	5
ī	10	10	5	10
2	10	5	5	5
3	5	5	5	5
4	5	10	Ŝ	5
5	う	5	5	5
o	5	5	5	5
1	5	5	5	5
2	5	5	5	5
3	5	5	5	5
4	5	5	5	5
5	20 20 20 20 20 20 20 20 20 20 20 20 20 2	5	5	5

Remarks:	only 1 Boiler
OPERATING	ON THIS STACK 6
9-1 0	
	DATA CODEU

	1			
Plant Name: HERCILES, INC.				
Address: P.O. Box 1				
City: HATTIESBUR	:C			
Emission Point:	boiler sta	ck_		
Date: 9Hb DECEMBE	R 1983			
Is emission point operation no	ormal? <u>4</u> 6	25		
	Initial			
Distance to discharge	600'			
Direction to discharge	E			
Height of observation point				
Height of discharge	200'			
Plume color	grey	17		
Plume background	sky			
Water vapor in plume ?	ND'			
Wind direction (from)				
Wind speed	0-5 MAL			
Ambient temperature	<u>70°</u>			
Discharge temperature				

Diagram Of Observation/	2
330° 330	30° NE
300°	60° N
270°	90°
240° SW	SE 120°
o - Sun 210° x - emission point	1500
△ observer	¹ 180 ⁰

Sky conditions

clear_

V. E. Observer:	Heidi	Nou	EEY	
Certification Expiration:	4	184		- 4
Ooi dilloadion = pipiladioni				

Set No.	et No. Time		Opa	city
	Start	End	Sum	Average
	1:47	1:53	640	26.67
2	1:53	1:59	785	32.71
3	1:59	2:05	710	29.58

Overall Average: 29.65%

Seconds				
Min.	0	15	30	45
0	30	25 30 25 25 25 25 25	25 25 25 25 25 35 35 35 30 30 30 30 30 30 30 30 30 30 30 30 30	35 25 25 25 20 35 35 35 35 35 25 25 25 25 25
ī	30	30	25	25
2	25	25	25	25
3	25	25	25	25
4	25	25	20	20
1 2 3 4 5	30 30 25 25 25 30 35 30 25 30 25 25 25 25 25 25	25	<i>\$</i> 5	35
5	30		35	40
1	35	3 5	<i>3</i> 5	35
1 2 3 4 5 0 1	30	3 0	3 0	3⊜_
3	25	30	3 ಲ	35
4	30	40	ş	35
5	3 5	35	3ට	35
ō	30	25	35	33
1	25	25	25	25
2	25	30	25	25
2 3 4	30	30	3 0	40
4	40	20 35 30 40 35 25 25 30 30 25	30	35
5	30	25	25	3 5

Hemarks: ————————————————————————————————————	for all 4	boilers (bot	th stacks)
was 170,000			
optimum max.			
	·····		

Received By: BB Golden

~		1	sissippi Department of Natural Resou
		7	Bureau of Pollution Control
			Visible Emissions Evaluation Record
	\		
	11 ~	- I	

Plant Name: HERCILE	à le.		
Address: P.D. Box	,		
City: Hamesou			
Emission Point:north		ck	
Date: 4b DECEMBER 1983			
Is emission point operation r	normal ? <u> </u>	୯5	
	(4)	Final	
Distance to discharge	6001		
Direction to discharge	E_		
Height of observation point	0′		
Height of discharge	200'		
Plume color	grey / brown		
Plume background		51	
Water vapor in plume ?	•		
Wind direction (from)	_ 5		
•	0-5 mp4		
Wind speed			
Ambient temperature			
Discharge temperature			
Sky conditions	clear		

Diagram Of Observation	/Discharge Point
330° 360 NW	30° NE 60°
2700	90°
o - Sun 210° x - emission point △ observer	180°

V. E. Observer:	HEIDI	MOWERY	
		- 1 5	_

Certification Expiration: 4/84

Set No.	Time		Opacity		
	Start	End	Sum	Average	
	1:47	1:52	าร ง	31.25	
2	1:53	1:59	८३ ५	34.79	
3	1,59	2:05	810	53.75	

Overall Average: 33.26 %

		Seconds		
Min.	0	15	30	45
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5	20	25	20	25 25 25 25 25 25 25 45 45 45 45 25 25 25 25 25 25 25 25 25 45 45 45 25 25 25 45 45 45 45 25 25 25 25 25 25 25 25 25 25 25 25 25
1	35	25	30	25
2	25	ී ට	40	25
3	35	<i>3</i> 0	\$5	25
4	45	あ シ	35	25
5	30	20	25	60
Ō	20 35 25 35 45 30 40 25 60 50 30 22 35 20 10 35 50 35	25 30 30 30 30 30 30 30 30 30 30 30 30 30	20 34 55 55 35 55 55 55 55 55 55 55 55 55 55	35
1	25	20	35	45
2	60	60	ි ව	45
3	50	3ට	3 5	40
4	30	30	25	35
5	20	5	15	15
0	35	25	3 5	25
1	20	15	15	15
2	ID	50	50	25
3	35	35	45	55
4	50	3 0	40	35
5	35	45	40	45

<u>বতান্ত।</u>	Tuel 1	100 TOV	था ५	boniers	(both stack higher th
was	170,0	DOD LE	/HR	20%	higherth
optim	um m	×. 10	ood.	1400-	
Tr.					

Received By: BBBBB

sissippi Department of Natural Resour
Bureau of Pollution Control
Visible Emissions Evaluation Record

Plant Name: HERCUL	ES, INC.			
Address: P.D. Box	1937			
City: HATTIES	uec			
Emission Point:	stack			
Date: 9th nover		183		
Is emission point operation normal?				
, , , , , , , , , , , , , , , , , , , ,	Initial	Final		
Distance to discharge	600'			
Direction to discharge	SWE			
•	~			
Height of observation point	2-1			
Height of discharge	200	• 55		
Plume color	grey-to			
Plume background	sky			
Water vapor in plume ?	NO			
Wind direction (from)	TE_			
Wind speed	light			
Ambient temperature	_70°_			
Discharge temperature				
Sky conditions	cloudy			

Diagram Of Observation/	
330° 300	30° NE
300°	60°
270°	90°
2400	120°
o - Sun 210°	SE 150°
x - emission point △ observer	180°

V. E. Observer:	HEIDI	Nowery	
V, 2, 0200	•	1/01	
Cartification Expire	tion:	4/84	

Certification	Expiration:	4	84	

Set No.	Time		Opacity	
	Start	End	Sum	Average
ſ	11:26	11:32	260	10.8
2	11:32	11:38	310	12.9
3	11:38	11:44	245	10.2

Overall Average: 11.3.70

-				-
		Seconds		
Min.	0	Seconds 15	30	45
0	10	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	01101101101101101010101010101010101010
1	10	10	10	15
2	10	10	10	01
3	10	10	10	15
4	10	0	10	6
5	10	0	10	10
1 2 3 4 5 0 1 2 3 4 5 0	10 10 10 10 10 15 10 15 10 15 10 10 15	RÓ	80	15
1	15.	10		5
2	10	F	10	10
3	10	10	6	10
4	15	15	15_	25
5	25	20	15.	10
0	10	5	10:	10
1	10	10	10	10
2	10	10	10	5.
3	15	15	10	10
4	10	10	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5_
1 2 3 4 5	10	10	10	10

-2	The state of the s
	TAVA COM
	The state of the s

Received By: BB Bollin

Plant Name: _ Address:

HATTIESBURG City:

City:	
Emission Point:South	
Date: 9th novem	ber 1983
Is emission point operation no	ormal? <u>4es</u>
	Initial Final
Distance to discharge	600
Direction to discharge	SW
Height of observation point	40'
Height of discharge	200'
Plume color	grey-white
Plume background	sky
Water vapor in plume ?	<u>No</u>
Wind direction (from)	1E
Wind speed	light
Ambient temperature	<u>70° </u>
Discharge temperature	
Sky conditions	cloudy
	•

Diagram Of Observation	- 1
330° 360	30° NE
3000	60°
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
270°	90°
240° X	SE 1200
o - Sun 210°	150°
x - emission point △ observer	180

V. E. Observer:	HEIDI	HOWERY	
O-vification Feminati	A	104	

Certification Expiration:

Set No.	Time		Opa	city
	Start	End	Sum	Average
	11:26	11:32	1380	575
2	11:32	11:38	480	28.3
3	117.353	11:44	GW1	6.7

Overall Average: ___

				-
		Seconds		
Min.	0	Seconds 15	30	45
0 1 2 3 4 5 0 1 2 3 4	75	5 8 5 8 8 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5	65	70 65 50 55 50 55 50 55 50 55 50 55 50 55 50 50
1	60	50	55	65
2	65	45	45	50
3	50	60	65	60
4	60	60	65	55
5	50	50	50	35
ō	35_	40	40	50
1	420	55_	55	50
2	55	50	60	12
3	25	5	5	5
4	10	10	5	10
5	10	5	5	5
0	10	5	5	5_
1	10	5	5	10
2	5	5	10.	_5_
1 2 3 4 5	288888888888 20000000000000000000000000	5	\$	5_
4	5	5	10	5
5	0	5	5	5

opacity continued to be low

Received By: BBBlee

Plant Name: HERCULE	S INC.				
Address: P.O. Box 1	937				
City: HATTIESBURG					
Emission Point:no4h a					
Date:	um ber	1983			
Is emission point operation no	ormal ?				
	Initial	Final			
Distance to discharge					
Direction to discharge					
Height of observation point	Height of observation point				
Height of discharge					
Plume color					
Plume background					
Water vapor in plume ?					
Wind direction (from)					
Wind speed					
Ambient temperature					
Discharge temperature					
Sky conditions					

Diagram Of Observation	
3300 360	, 30°
300° NW	NE 60°
270°	900
270	7"
2400	1200
SW	SE
o - Sun 210°	150°
x - emission point △ observer	¹ 180 ⁰

V. E. Observer:	Moweey
Certification Expiration:	4184

Set No.	Time		Opacity	
	Start	End	Sum	Average
		·		,
	:			

Overall Average: stack opecities both 5/10%

Seconds				
Min.	0	Seconds 15	30	45
0				
1				
1 2 3 4 5				
3				
4				
5	, , , , , , , , , , , , , , , , , , , ,			
Ō				
1				
2 3 4 5 0				
3				
4				
5				
0				
1				
2				
3				
1 2 3 4 5				
5				

		AND THE P	- 3
7	TOTAL TOTAL	of Contract	2
-	A TA	- 5 g "	1
Control Andrews	MIN S	172	
 THE REAL PROPERTY.	THE PARTY AND	Taranta and the same	-:

Received By: \$3.\$3. Halle

	1	Visible Emissions
Plant Name:	Hercules Inc	1
A daluaca i	Po. By 193-	1

City: Hottisburg

Emission Point: South Stack

Date: _____ 5th october 1983

Is emission point operation normal?

	Initial	Final
Distance to discharge	625'	
Direction to discharge	_510	
Height of observation point	0'	
Height of discharge	200'	
Plume color	grey/therk.	<u>.</u>
Plume background	sky	
Water vapor in plume ?	0.4	
Wind direction (from)	- MW -	TE .
Wind speed	<u>light-mortaletal</u>	و
Ambient temperature	85°	
Discharge temperature		1

Diagram Of Observation	/Discharge Point
330° 360 NW	NE 60°
270°	90°
240° SW	SE 120°
o - Sun 210°/ x - emission point △ observer	150°

Sky conditions

V. E. Observer:	Le Mowenj
Certification Expiration:	10/83

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	11:22	11:25	2015	82.3
2	11:28	11:34	1375	57.3
3	17:34	11:40	625	26.0

Overall Average: 55.2%

Seconds					
Min.	0	15	30	45	
0	75	10	10	60	
1	80	60	10 63 85 100 85 100	100 100 100	
1 2 3 4 5 0 1 2 3 4	80	60 90	85	100	
3	100	100	100	100	
4	95	90	85	90	
5	100	100	100	100	
0	85	= 90	· 7 % 5	110 75	
1	9 15	~ 8D	195	17 65	
2	[∞] 75	95	~ 50	7 5 0	
3	50	45	a= 40	- 40	
4	* 35 * 25 • 25	45	3 5	14 3 5	
5	* 35	40	35 4x	5 3U	
0	9 25	25		30	
1	25	25	30	3 0	
2	· 30	25	30	25	
2 3 4	25 20 25	25 25 25 25 20 20 25 25	25 30 25	15 12 65 25 25 30 30 35 25 25	
4	· 20	25	3 0	25	
5	25	25	25	25	

Remarks: -	odors were very strong in	j.
_ the	ricinity of the plant.	
-	The state of the s	
	The Control of the Co	
	A STATE OF THE PARTY OF THE PAR	

Received By: B. B. Holfen

Plant Name: Hercules L	nc.·				
Address: P.O. Box 19	31				
City: Hattiesburg					
Emission Point: North	stack				
Date: 5th october	.1983				
Is emission point operation normal?					
	Initial	Final			
Distance to discharge	625'				
Direction to discharge	<u>sw</u> .				
Height of observation point	0'				
Height of discharge	200'				
Plume color	grey				
Plume background	sky.	-			
Water vapor in plume ?	No				
Wind direction (from)	NW				
Wind speed	light-moder	ste			
Ambient temperature	85°				
Discharge temperature					

NE 60°
90°
120°
\$E 150°

Sky conditions

V. E. Observer:Heide	Mowery	_
Certification Expiration:	10/83	

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	11:22	11:28	160	6.7
2	11:28	11:34	120	5,0
3	11:34	11:40	130	5. 4

Overall Average: 5.4%

	444				
Seconds					
Min.	0	Seconds 15	30	45	
0	10	05000000000000000000000000000000000000	10	10	
1	5	5	10	10)	
2	10	10	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
ō	5	5	5	5	
1	5	5	5	5	
2	5	5	5	5	
3	5	5	5	5	
4	5	5	59	.5	
5	5	5	5	5	
0	5	5	5	5	
1	. 5	5	5	5	
2	5	5	5	5	
3	5	٥	5	.55	
0 1 2 3 4 5 0 1 2 3 4 5 0 1 2 3 4 5		5	10 10 15 15 15 15 15 15 15 15 15 15 15 15 15	005000000000000000000000000000000000000	
5	5	10	10	5	

emarks: _	
	DATA CODED

Received By: B. B. Hollew

	1				
Plant Name: Hercules, Inc					
Address: P.O. Box 1937					
City: Hattiesbu	rg .				
Emission Point:					
Date: 9/15/9	13				
Is emission point operation n	ormal? ΨΔ				
	Initial	Final			
Distance to discharge	<u>boo'</u>				
Direction to discharge	wsw				
Height of observation point	_0'				
Height of discharge 200'					
Plume color qrey brown black					
Plume background	dy.				
Water vapor in plume ?	<u> </u>				
Wind direction (from)	<u>sw</u>				
Wind speed	<u>light</u>				
Ambient temperature	900				
Discharge temperature					

Diagram Of Observation/ 330° NW 300° SW 240° SW	30° NE 60° 90° SE
o - Sun 210° x - emission point △ observer	150°

Sky conditions

elear

V. E. Observer:	Heidi	Moweny	·····
Certification Expira	tion:	183	

Set No.	Time		Opacity	
	Start	End	Sum	Average
4	11:34	11:40	1875	78.13
5	11:40	11:46	915	38/13
6	11:46	11:52	1115	46.46

Overall Average: 54.24 %

Seconds				
Min.	- 1	econds 15	30	45
0 1 2 3 4 5 0 1 2 3 4 5 0	75 50 90 15	80	80	50 100 15 25 35 35 35 36 20 20 10
1	50	65 100 15	100	100
2	90	100	85	80
3	15	15	90	15
4	1 75 1	90	85	85
5	35	\$5	65.	35
ō	45	40 40 40 40 40 40 40 40 40	25	45
1	40	25	35	35
2	30	35	30	30
3	40	40	40	60
4	75	60	20	20
5	15	10	10	10
0	15	40	50	2
1	70	100	100	70
2	25	40	40	68
3	50	55	65	30
4	25	25	\$0 155 95 95 85 85 85 80 90 90 90 95 85 85 85 85 85 85 85 85 85 85 85 85 85	70 60 30 30 50
5	\$5 40 30 40 30 40 15 15 15 15 25 50 25 35	55 25 35	25	50

Remarks:	<u> </u>	 	
			
		 	
			 1990

Received By: Charles Jos San /ps

Plant Name: Hercules	Inc.				
Address: PO Box 1937					
city: Hathesbura, MS					
Emission Point:	Stack				
Date: 9/15/83					
Is emission point operation no		e5			
	 Initial	Final			
Distance to discharge	600'				
Direction to discharge	พรพ				
Height of observation point	0'				
	200'				
Height of discharge	could be				
Plume color	grey / brow	<u> </u>			
Plume background	3/4				
Water vapor in plume ?	<u>no</u>				
Wind direction (from)	<u>3W</u>				
Wind speed	light				
Ambient temperature	900				
Discharge temperature					
Sky conditions	clear				

Diagram Of Observation,	
270°	90°
240° SW o - Sun 210° x - emission point △ observer	120° SE 150°

V. E. Observer: Acid	i Mowery	
Certification Expiration:	10/83	

Set No.	Time		Opacity	
	Start	End	Sum	Average
1	11:10	11:16	465	19.38
2	11:16	11:22	710	29.58
3	11:22	11:28	1375	57,29

Overall Average: 35.42%

		Seconds		
Min.	0	Seconds 15	30	45
	15	25 15 15 15	50 30	45 25 10 10 10 15 30 15 35 35 70 85 15
0 1 2 3 4 5	35	25	3 0	25
2	20	15	15	20
3	20	15	15	15
4	10	5	10	10
5	20	10	10	10
ō	35 20 20 10 20 15 15 15	10 10 45 20 35	10	15
1	10	10	<u>3</u> 5	30
2	55	45	25	15
2 3 4 5 0	45	20	50	35
4	35	35	20	20
5	20	30 60 60 75	55	7
0	60	60	55	60
1	50	60	85	\$5
2	85	15	80	
3	70	55	50	40
2 3 4 5	20 50 50 70 70 70	30	10 10 10 55 25 25 25 25 25 25 25 25 25	55
5	60	30 35	25	40

high emissions (- %) for approx. min. immediately after V.E.E. was conducted.

Received By: Charles Jordan/ps



Final

sissippi Department of Natural Resoul **Bureau of Pollution Control Visible Emissions Evaluation Record**

Address: _

Initial

north stack Emission Point: _

Is emission point operation normal?

Distance to discharge	600'	
Direction to discharge	<u> </u>	
Height of observation point		

200 Height of discharge

grey-brown white-brown Plume color Plume background

no

Water vapor in plume?

Wind direction (from)

Wind speed

Ambient temperature

Discharge temperature

Sky conditions

V. E. Observer:	Heide	Mowery

Certification Expiration:_

Set No.	Time		Opacity	
	Start	End	Sum	Average
4	11:34	11:40	445	18,54
5	11:40	11:46	1070	44.58
6	11:46	11:52	2075	86.42

Overall Average: _

Seconds				
Min.	0	Seconds 15	30	45
0	10	10	15	10
1	10	10	15	10
2	10 10 15 25 25	20	15	10
3	15	10	25	25
4	.25	25	20	25
5	25	25	25	<i>5</i> 5
2 3 4 5 0 1 2 3 4	45	10 20 10 25 25 20	25 25 25 25 25 25 20 50	10 10 10 25 25 55 50 50
1		35	50	50
2	\$30 30 25 25	35	20	50
3	30	40	55	30
4	25	25	60	60
5	15	25 55 90	60 65 75	60 70
0	90	90	75	76
1	10	70	70	70
	85	65	75	75
3	85	85	100	001
2 3 4 5	160	100	100	100
5	100	100	100	100

Diagram Of Observation/	Discharge Point
3300 3600	, 30°
NW	NE
300°	60°
2700	900
*	30
240° SW	SE 120°
o - Sun 210°/ x - emission point	150°
△ observer	180-

Remarks: <u>north</u> stack courtnied
at 100% opacity for over 5 min.
at 100% opacity for over 5 min.

Received By: Charles Jordan / pa

Height of observation point	
Height of discharge	<u>100'</u>
Plume color	grey/brown
Plume background	sky
Water vapor in plume ?	
Wind direction (from)	<u>sw</u>
Wind speed	light
Ambient temperature	90°
Discharge temperature	<u> </u>

clear

Diagram Of Observation	-
3300 360	, 30°
NW	NE
300°	600
270°	90°
\uparrow	Ta
/	1
240°	SE 120°
SW	
o - Sun 210°	150°
x - emission point △ observer	¹ 180 ⁰

Sky conditions

V. E. Observer:	-Heidi	Howery	
	Killer Harris Aller III (1994-1994)	1	

Certification Expiration: 10/83

Set No.	Time		Opacity	
	Start	End	Sum	Average
	11:10	11:16	425	17.71
2	11:16	11:22	435	18.13
3	11:22	11:28	555	23.0

Overall Average: 19.6170

Seconds				
Min.	0	Seconds 15	30	45
	10	15	15	15
1	10	10	20 10	10
2	10	5	10	10
3	25	15	15	15
4	20	20	15	15
5	25	45	35	40
0 1 2 3 4 5	10 10 25 25 25 30 20 15	り 5 5 20 45 20 15 15 15	15 35 25 20 15	305
	20	20	20	15
1 2 3 4 5 0	15	15	15	15
3	20	15		15
4	15	15	15	15
5	15	15	15	20
o	15	20	20 25	20
1	20	25	25	25
2	25	25	25	25
1 2 3 4 5	25	25 25 25 20	25	w
4	15 15 15 25 25 25 25 25	40	30	15 15 15 20 25 25 25 25 25 25
5	25	15	30 5	30

emarks:			
	6	-11. Annua	

Received By: Charles Gardon / ps

sissippi Department of Natural Resour	
Bureau of Pollution Control	
Visible Emissions Evaluation Record	1
	1

Plant Name: AFERCULE	5 NC.	.
Address: P.O. Lox	1937	**************************************
City: HATTIESEN	26	
Emission Point:		
Date:		
Is emission point operation		
	lnitial () Final
Distance to discharge		
Direction to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume ?		
Wind direction (from)		
Wind speed	<u></u>	
Ambient temperature		
Discharge temperature		
Sky conditions		. <u></u>

Diagram Of Observation/	2
NW 330°	NE NE
300°	60° N
2700	900
240° SW	SE 120°
o - Sun 210°/ x - emission point △ observer	150°

V. E. Observer:	HEIDI	Mowery	
Certification Expirati		10/83	

Set No.	Time		Opacity	
	Start	End	Sum	Average

Overall Average: 5-10% for 15 minutes

Seconds				
Min.	0	Seconds 15	30	45
0				
2				
3				
4				
1 2 3 4 5				
0				
1				
1 2 3 4 5				
3				
4				
5				
0				
1	'			
2				
1 2 3 4 5				
4				
5				

	The state of the s	
0	DATA CODED	
	The state of the s	
6		- 3.HMn

Received By: 13/18/ler



State of Mississippi Air Pollution Control PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Hercules West 7th Street Hattiesburg, Mississippi

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Issued this _	23rd	day of	August	, 1983
	MISSISS	IPPI POLLUTION	CONTROL P	FRMIT BOARD
		TOR, BUREAU C		
Expires	_1st	day of <u>October</u>	19 2	6
			, 10	Permit No0800-000

PART I

Page₂ of 35 Permit No. 0800-00001

PART I GENERAL CONDITIONS

- 1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any air pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions or modifications which will result in new, different, or increased emission of air pollutants must be reported by submission of a new application.
- 2. The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.
- 3. Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters.
- 4. Any diversion from or bypass of collection and control facilities is prohibited except (i) where unavoidable to prevent loss of life or severe property damage or (ii) when approved by the Mississippi Department of Natural Resources Bureau of Pollution Control Permit Board.
- 5. Whenever any emergency, accidental or excessive discharge of air contaminants occurs, the office of the Mississippi Department of Natural Resources Bureau of Pollution Control shall be notified immediately of all information concerning cause of the discharge, point of discharge, volume and characteristics, and whether discharge is continuing or stopped.
- 6. Should the Executive Director of the Mississippi Department of Natural Resources declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule.
- 7. The permittee shall allow the Mississippi Department of Natural Resources Bureau of Pollution Control and the Mississippi Department of Natural Resources Bureau of Pollution Control Permit Board and/or their authorized representatives, upon the presentation of credentials:
 - To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and
 - b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission.

Page 3 of 35 Permit No. 0800-0000

- 8. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:
 - a. Violation of any terms or conditions of this permit;
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - c. A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions.
- 9. For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Department of Natural Resources Bureau of Pollution Control Permit Board.
- 10. Except for data determined to be confidential under the Mississippi Air and Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Natural Resources Bureau of Pollution Control.
- 11. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.
- 12. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances.
- 13. This permit is non-transferable.
- 14. This permit is for air pollution control purposes only.

PART II

Page 4 of 35 Permit No. 0800-0000

PART II EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning August 23, 1983, and lasting until September 1, 1986, the permittee is authorized to operate air emissions equipment and emit air contaminants from the mill room, extractor house, refinery, still house, and pexite plant, Emission Point 001.

PART II

Page 5 of 35 Permit No. 0800-0000

PART II EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning August 23, 1983, and lasting until September 1, 1986, the permittee is authorized to operate air emissions equipment and emit air contaminants from the Herchlor Plant, Emission Point 002.

PART II

Page 6 of 35 Permit No. 0800-0000

PART II EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning August 23, 1983, and lasting until September 1, 1986, the permittee is authorized to operate air emissions equipment and emit air contaminants from the Delnav Plant, Emission Point 005.

PARTII

Page 7 of 35 Permit No. 0800-0000

PART II EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning August 23, 1983, and lasting until September 1, 1986, the permittee is authorized to operate air emissions equipment and emit air contaminants from the Poly-Pale Plant, Emission Point 006.