Tronox LLC, Columbus

General Information

ID	Branch	SIC	County	Basin	Start	End
1696	Chemical	2491	Lowndes	Tombigbee River	10/27/1992	

Address

Physical Address (Primary)	Mailing Address
2300 14th Avenue North Columbus, MS 39701	PO Box 268859 Oklahoma City, OK 731268859

Telecommunications

Type	Address or Phone
Work phone number	(405) 775-5129

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
2808700020	Tronox LLC, Columbus	Air-AIRS AFS	10/12/2000	06/01/2002
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Construction	06/12/1998	
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Synthetic Minor Operating	06/06/1997	06/01/2002
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Synthetic Minor Operating	06/12/1998	06/01/2002
MSR220010	Kerr McGee Chemical Corporation, Columbus	GP-Wood Treating	10/27/1992	07/13/1997
MSD990866329	Kerr McGee Chemical Corporation, Columbus	Hazardous Waste-EPA ID	10/12/2000	
MSD990866329	Kerr McGee Chemical Corporation, Columbus	Hazardous Waste-TSD	06/11/2001	04/12/2006
MSD990866329	Tronox LLC, Columbus	Hazardous Waste-TSD	04/13/2006	05/31/2011
1696	Kerr McGee Chemical Corporation	Historic Site Name	10/27/1992	04/10/2006
1696	Tronox, LLC	Official Site Name	04/10/2006	
MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	10/11/1994	10/10/1999
MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	08/23/2000	07/31/2005
MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	10/31/2005	04/12/2006
MSP090021	Tronox LLC, Columbus	Water-Pretreatment	04/13/2006	09/30/2010

Regulatory Programs

Program	SubProgram	Start Date	End Date
Air	NSPS Subpart Dc	09/12/1990	06/01/2002
Air	SM	06/06/1997	06/01/2002
Hazardous Waste	Large Quantity Generator	04/01/1997	
Hazardous Waste	TSD - Not Classified	06/11/2001	
Water	PT CIU	10/11/1994	09/01/2003
Water	PT CIU - Timber Products	10/11/1994	09/01/2003

	Processing (Subpart 429)		
Water	PT NCS	09/01/2003	
Water	PT SIU	10/11/1994	

Locational Data

Latitude	Longitude	Metadata	S / T / R	Map Links
33 ° 30 ' 38 .51 (033.510697)	88 ° 24 ' 34 .02 (088.409450)	**Point Desc:** PG - Plant entrance (General) Data collected by Louis Crawford on 7/11/00. PG - Plant Entrance (General) Data collected by Clift Jeter on 6/13/02. LAT 33deg 30min 36.6sec LON 88deg 24min 35.1sec **Method:** GPS Code (Psuedo Range) Differential **Datum:** NAD83 **Type:** MDEQ	Section: Township: Range:	SWIMS TerraServer Map It

10/13/2006 10:29:50 AM

Mississippi Department of Environmental Quality
Office of Pollution Control

I-sys 2000 Master Site Detail Report

Site Name: Kerr McGee Chemical Corporation, Columbus

PHYSICAL ADDRESS	
LINE 1:	2300 14th Avenue and 20th Street
LINE 2:	
LINE 3:	
MUNICIPALITY:	Columbus
STATE CODE:	MS
ZIP CODE:	39703-

MAILING ADDRESS	
LINE 1:	2300 Fourteenth Avenue North
LINE 2:	
LINE 3:	
MUNICIPALITY:	Columbus
STATE CODE:	MS
ZIP CODE:	39701-

OTHER INFORMATION	
MASTER ID:	001696
COUNTY:	Lowndes
REGION	NRO
SIC 1:	2491
AIR TYPE:	SYNTHETIC MINOR
HW TYPE:	TSD
SOLID TYPE:	
WATER TYPE:	INDUSTRIAL
BRANCH:	Chemical Branch
ECED CONTACT:	
,	
BASIN:	
Tombigbee River Basin	

AIR PROGRAMS ☐ SIP ☐ PSD ☑ NSPS ☐ NESHAPS ☐ MACT

Mississippi Department of Environmental Quality
Office of Pollution Control

Pemits

PROGRAM	PERMIT TYPE	PERMIT #	MDEQ PERMIT CONTACT	ACTIVE
AIR	SMOP	168000020	Hall, Bobby	NO
AIR	SMOP	168000020	Shanks, Brad	YES
WATER	PRE-TREATMENT	MSP090021	Brumfield, Milton	YES
HAZ. WASTE	EPA ID	MSD990866329	Ferguson, Bruce	NO
GENERAL	WOOD TREATING	MSR22010	LaFleur, Kenny	YES
HAZ. WASTE	TSD		Ferguson, Bruce	YES
WATER	PRE-TREATMENT	MSP090021	Taylor, John	YES
AIR	CONSTRUCTION	168000020	Shanks, Brad	YES
HAZ. WASTE	TSD	MSD990866329	Crawford, Louis	NO

Compliance Actions

MEDIA	ACTIVITY TYPE	SCHEDULED	COMPLETED	INSPECTED B
HAZ WASTE	Compliance (Groundware) Monitori	5/17/00	5/17/00	Twitty, Russ
HAZ WASTE	Financial Record Review	3/1/00	5/11/00	Hamil, Larry
WATER	CMI - PRETREATMENT			Whittington, Darryail
WATER	CEI - PRETREATMENT	9/30/00		Shelton, Kirk
WATER	CEI - NA	6/16/99	6/16/99	Shelton, Kirk
HAZ WASTE	Compliance Evaluation Inspection	6/16/99	6/16/99	Shelton, Kirk
AIR	State Compliance Inspection	6/16/99	6/16/99	Shelton, Kirk

Enforcement Actions

MEDIA	ENFORCEMENT STEP	DETERMINED	RESOLVED	EMPLOYEE ASSIGNE
HAZ. WASTE	AGREED ORDER	6/16/99	5/18/00	Hamil, Larry
HAZ. WASTE	APPARENT VIOLATION	6/16/99	5/18/00	Hamil, Larry
AIR	APPARENT VIOLATION	6/16/99	5/18/00	Hamil, Larry
AIR	AGREED ORDER	6/16/99	5/18/00	Hamil, Larry

THIS FILE IS CLOSED

THE MATERIAL ENCLOSED IN THIS FILE BEGINS ON:

DATE: 1991

AND ENDS ON:

DATE: 1994

THERE IS MORE RECENT INFORMATION IN THE NEXT FILE ON THIS SITE

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 1233

I. GENERAL INFORMATION: Facility Name Kerr McGee Chemical (14th Ave. N)
County Code Lowndes NPDES Permit No. 90021
Discharge No. 001 Date Requested
Sample Point Identification Pretreated ww & boiler blowdown
Requested By Comp. Monitoring Data To M. Brumfield
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition Hot/humid Collected By D.Spurgeon/C.Jeter
Where Taken V-notch weir

	Type	Parameters	Preservative	Date	Time
1.	Grab	Phenols	H_2SO_4	8/10/94	1200
2.	Grab	Oil & Grease	H_2SO_4	8/10/94	1200
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	7.2	CJ	8/10/94
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.038284	DS	8/10/94

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Kathy Farris Date Time
Recorded By Dot Lewis Date Sent to State Office 9-7-94

Analysis	Computer Code	Request	Result		Analyst	Date Measured
BOD_5	(000310)	( )		mg/l		*
COD	(000340)	( )		mg/l		
TOC	(000680)	( )		mg/l		
Suspended Solids	(099000)	( )		mg/l		
TKN	(000625)	( )		mg/l		
Ammonia-N	(000610)	( )		mg/l		
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )		colonies/100 ml		*
Total Phosphorus	(000665)	( )		mg/l		
Oil and Grease(1)	(000550)	(X)	587.0	mg/l	KF	8/16/94
Oil and Grease(2)	(000550)	( )		mg/l		
Chlorides	(099016)	( )		mg/l		
Phenol	(032730)	(X)	10.9	mg/l	KF	8/18/94
Total Chromium	(001034)	( )		mg/l		
Hex. Chromium	(001032)	( )		mg/l		
Zinc	(001092)	( )		mg/l		
Copper	(001042)	( )		mg/l		
Lead	(017501)	( )		mg/l		
Cyanide	(000722)	( )		mg/l		
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Remarks

*Date of Test Initiation

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name **KERR MCGEE CHEMICAL (14TH AVE.N)**
County Code **LOWNDES** NPDES Permit No. **90021**
Discharge No. **001** Date Requested _____
Sample Point Identification **PRETREATED WW & BOILER BLOWDOWN**
Requested By **COMP.MONIT.** Data To **M. BRUMFIELD**
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition HOT & HUMID Collected By D. SPURGEON C. JETER
Where Taken V-NOTCH WEIR

	Type	Parameters	Preservative	Date	Time
1.	GRAB	Phenols	H_2SO_4	8-10-94	1200
2.	GRAB	OIL & GREASE	H_2SO_4	8-10-94	1200
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	7.2	C.J.	8-10-94
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.038284 MGD	D.S.	8-10-94

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) SUNBELT

V. LABORATORY: Received By Kathy Farris Date 8-12-94 Time 930
Recorded By DOF Lewis Date Sent to State Office 9-1-94

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	(X)	587.0 mg/l	KF	8-16-94
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	(X)	10.9 mg/l	KF	8-18-94
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
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Remarks _____

*Date of Test Initiation

5200 WATER

1233

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 1043

I. GENERAL INFORMATION: Facility Name Kerr McGee Chemical (Columbus)
County Code Lowndes 1680 NPDES Permit No. 90021
Discharge No. 001 Date Requested August 1993
Sample Point Identification pretreated process WW and boiler blowdown
Requested By Compliance Monitoring Data To N. Y. Saem
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition hot, sunny Collected By Lynne Burrell
Where Taken just as went thru-v-notch weir

	Type	Parameters	Preservative	Date	Time
1.	Grab	Phenols	H_2SO_4 pH<2	8/9/93	1130
2.	Grab	Oil & Grease	H_2SO_4 pH<2	8/9/93	1130
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	6.0 @ 75°C	LB	8/9/93
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	14,357 Gallons	LB	8/9/93

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X)

V. LABORATORY: Received By Otis Clark Date 8/10/93 Time 1030
Recorded By Sandy Hammons Date Sent to State Office 9/2/93

Analysis	Computer Code	Request	Result		Analyst	Date Measured
BOD_5	(000310)	( )		mg/l		*
COD	(000340)	( )		mg/l		
TOC	(000680)	( )		mg/l		
Suspended Solids	(099000)	( )		mg/l		
TKN	(000625)	( )		mg/l		
Ammonia-N	(000610)	( )		mg/l		
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )		colonies/100 ml		*
Total Phosphorus	(000665)	( )		mg/l		
Oil and Grease(1)	(000550)	(X)	18.4	mg/l	KF	8/24/93
Oil and Grease(2)	(000550)	( )		mg/l		
Chlorides	(099016)	( )		mg/l		
Phenol	(032730)	(X)	7.54	mg/l	KF	8/30/93
Total Chromium	(001034)	( )		mg/l		
Hex. Chromium	(001032)	( )		mg/l		
Zinc	(001092)	( )		mg/l		
Copper	(001042)	( )		mg/l		
Lead	(017501)	( )		mg/l		
Cyanide	(000722)	( )		mg/l		
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Remarks

*Date of Test Initiation

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name **KERR MCGEE CHEMICAL (COLUMBUS)**
County Code **LOWNDES 1680** NPDES Permit No. **90021**
Discharge No. **001** Date Requested **AUG/93**
Sample Point Identification **PRETREATED PROCESS WW AND BOILER BLOWDOWN**
Requested By **COMP. MONIT.** Data To **N.Y. SALEN**
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition HOT-SUNNY Collected By LYNNE BURRELL
Where Taken JUST AS WENT THRU V-NOTCH WEIR

	Type	Parameters	Preservative	Date	Time
1.	**GRAB**	**PHENOLS**	H_2SO_4 PH<2	8-9-93	11:30
2.	**GRAB**	**OIL & GREASE**	H_2SO_4 PH<2	8-9-93	11:30
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	6.0 @ 75°C	L.B.	8-9-93
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	14,357 GALLONS	L.B.	8-

IV. TRANSPORTATION OF SAMPLE: Bag ( ) By Vehicle ( ) Other (X) SUN BELT

V. LABORATORY: Received By Otis Clark Date 8-10-93 Time 1030
Recorded By Sandy Hammons Date Sent to State Office 9/2/93

Analysis	Computer Code	Request	Result		Analyst	Date Measured
BOD_5	(000310)	( )		mg/l		*
COD	(000340)	( )		mg/l		
TOC	(000680)	( )		mg/l		
Suspended Solids	(099000)	( )		mg/l		
TKN	(000625)	( )		mg/l		
Ammonia-N	(000610)	( )		mg/l		
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )		colonies/100 ml		*
Total Phosphorus	(000665)	( )		mg/l		
Oil and Grease(1)	(000550)	(X)	18.4	mg/l	KF	8/24/93
Oil and Grease(2)	(000550)	( )		mg/l		
Chlorides	(099016)	( )		mg/l		
Phenol	(032730)	(X)	7.59	mg/l	KF	8/30/93
Total Chromium	(001034)	( )		mg/l		
Hex. Chromium	(001032)	( )		mg/l		
Zinc	(001092)	( )		mg/l		
Copper	(001042)	( )		mg/l		
Lead	(017501)	( )		mg/l		
Cyanide	(000722)	( )		mg/l		
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Remarks _____

*Date of Test Initiation

1043

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name KERR MCGEE WOOD PROCESSING
County Code LOWNDES 1680 NPDES Permit No. 90021
Discharge No. 001 Date Requested AUG./SEPT. 92
Sample Point Identification PRETREATED WW AND BOILER BLOWDOWN
Requested By COMP.MONIT. Data To N. SALEM
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition CLEAR & HOT Collected By DEWITT SPURGEON CLIFF JETER
Where Taken

	Type	Parameters	Preservative	Date	Time
1.	GRAB	Phenols	5ml H_2SO_4	8-25-92	
2.	GRAB	OIL & GREASE	5ml H_2SO_4	8-25-92	
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	7.63	D.S.	8-25-92
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.005 MGD	D.S.	8-25-92

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) SUN BELT

V. LABORATORY: Received By _____ Date 8/27/92 Time 0900
Recorded By _____ Date Sent to State Office 11-23-92

Analysis	Computer Code	Request	Result		Analyst	Date Measured
BOD_5	(000310)	( )		mg/l		*
COD	(000340)	( )		mg/l		
TOC	(000680)	( )		mg/l		
Suspended Solids	(099000)	( )		mg/l		
TKN	(000625)	( )		mg/l		
Ammonia-N	(000610)	( )		mg/l		
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )		colonies/100 ml		*
Total Phosphorus	(000665)	( )		mg/l		
Oil and Grease(1)	(000550)	(X)	7.0	mg/l	GT	11-16-92
Oil and Grease(2)	(000550)	( )		mg/l		
Chlorides	(099016)	( )		mg/l		
Phenol	(032730)	(X)	0.14	mg/l	DE	9-11-92
Total Chromium	(001034)	( )		mg/l		
Hex. Chromium	(001032)	( )		mg/l		
Zinc	(001092)	( )		mg/l		
Copper	(001042)	( )		mg/l		
Lead	(017501)	( )		mg/l		
Cyanide	(000722)	( )		mg/l		
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Remarks

*Date of Test Initiation

1166

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 1166

I. GENERAL INFORMATION: Facility Name Kerr McGee Wood Processing
County Code Lowndes 1680 NPDES Permit No. 90021
Discharge No. 001 Date Requested Aug/Sept. 92
Sample Point Identification Pretreated ww and boiler blowdown
Requested By Compliancec Monitoring Data To N. Salem
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition Clear and hot Collected By D.Spurgeon/C.Jeter
Where Taken

	Type	Parameters	Preservative	Date	Time
1.	GRab	Phenols	5 ml H_2SO_4	8/25/92	
2.	Grab	O&G	5 ml H_2SO_4	8/25/92	
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	7.63	DS	8/25/92
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.005 MGD	DS	8/25/92

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Danny Ewert Date 8/27/92 Time 0900
Recorded By Dorothy Lewis Date Sent to State Office 11-23-92

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	(X)	7.0 mg/l	GT	11/16/92
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	(X)	0.19 mg/l	DE	9/11/91
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
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Remarks

*Date of Test Initiation

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 1166

I. GENERAL INFORMATION: Facility Name Kerr McGee Wood Processing
County Code Lowndes 1680 NPDES Permit No. 90021
Discharge No. 001 Date Requested Aug/Sept. 92
Sample Point Identification Pretreated ww and boiler blowdown
Requested By Compliancec Monitoring Data To N. Salem
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition Clear and hot Collected By D.Spurgeon/C.Jeter
Where Taken

	Type	Parameters	Preservative	Date	Time
1.	GRab	Phenols	5 ml H_2SO_4	8/25/92	
2.	Grab	O&G	5 ml H_2SO_4	8/25/92	
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	X	7.63	DS	8/25/92
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	X	.005 MGD	DS	8/25/92

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Danny Ewert Date 8/27/92 Time 0900
Recorded By Dorothy Lewis Date Sent to State Office 11-12-92

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	(X)	7.0 mg/l	GT	11/16/92
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	(X)	0.19 mg/l	DE	9/11/91
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks

*Date of Test Initiation

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 601

I. GENERAL INFORMATION: Facility Name Kerr McGee Forest Prod.
County Code Lowndes NPDES Permit No. 90021
Discharge No. 001 Date Requested 5/91
Sample Point Identification Process wastewater and boiler blowdown
Requested By Compliance Monitoring Data To N. Salem
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition Clear and hot Collected By D.Spurgeon
Where Taken Just prior to v-notch weir

	Type	Parameters	Preservative	Date	Time
1.	Grab	Oil & Grease	5 ml H_2SO_4	5/15/91	1115
2.	Grab	Phenols	5 ml H_2SO_4	5/15/91	1115
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	6.83	DS	5/15/91
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.02 MGD	DS	5/15/91

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Danny Ewert Date 5/17/91 Time 0945
Recorded By Dorothy Lewis Date Sent to State Office 6-21-91

Analysis	Computer Code	Request	Result		Analyst	Date Measured
BOD_5	(000310)	( )		mg/l		*
COD	(000340)	( )		mg/l		
TOC	(000680)	( )		mg/l		
Suspended Solids	(099000)	( )		mg/l		
TKN	(000625)	( )		mg/l		
Ammonia-N	(000610)	( )		mg/l		
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )		colonies/100 ml		*
Total Phosphorus	(000665)	( )		mg/l		
Oil and Grease(1)	(000550)	(X)	27.0	mg/l	GT	6/6/91
Oil and Grease(2)	(000550)	( )		mg/l		
Chlorides	(099016)	( )		mg/l		
Phenol	(032730)	(X)	120.0	mg/l	DS	6/14/91
Total Chromium	(001034)	( )		mg/l		
Hex. Chromium	(001032)	( )		mg/l		
Zinc	(001092)	( )		mg/l		
Copper	(001042)	( )		mg/l		
Lead	(017501)	( )		mg/l		
Cyanide	(000722)	( )		mg/l		
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				

Remarks

*Date of Test Initiation

BUREAU OF POLLUTION CONTROL

SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name KERR MCGEE FOREST PROD.

County Code LOWNDES NPDES Permit No. 90021

Discharge No. 001 Date Requested MAY/91

Sample Point Identification PROCESS WASTEWATER AND BOILER BLOWDOWN

Requested By COMP.MONIT. Data To N. SALEM

Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:

Environment Condition CLEAR & HOT Collected By DEWITT SPURGEON

Where Taken JUST PRIOR TO V-NOTCH WEIR

	Type	Parameters	Preservative	Date	Time
1.	GRAB	OIL & GREASE	5ml H_2SO_4	5-15-91	11:15
2.	GRAB	PHENOLS	5ml H_2SO_4	5-15-91	11:15
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	6.83	D.S.	5-15-91
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.02MGD	D.S.	5-15-91

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other (X) SUN BELT

V. LABORATORY: Received By DE Date 5-17-91 Time 0945

Recorded By DT Lewis Date Sent to State Office 6-27-91

Analysis	Computer Code	Request	Result		Analyst	Date Measured
BOD_5	(000310)	( )		mg/l		*
COD	(000340)	( )		mg/l		
TOC	(000680)	( )		mg/l		
Suspended Solids	(099000)	( )		mg/l		
TKN	(000625)	( )		mg/l		
Ammonia-N	(000610)	( )		mg/l		
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )		colonies/100 ml		*
Total Phosphorus	(000665)	( )		mg/l		
Oil and Grease(1)	(000550)	(X)	17.0	mg/l	GT	6-6-91
Oil and Grease(2)	(000550)	( )		mg/l		
Chlorides	(099016)	( )		mg/l		
Phenol	(032730)	(X)	120.0	mg/l	DS	6-14-91
Total Chromium	(001034)	( )		mg/l		
Hex. Chromium	(001032)	( )		mg/l		
Zinc	(001092)	( )		mg/l		
Copper	(001042)	( )		mg/l		
Lead	(017501)	( )		mg/l		
Cyanide	(000722)	( )		mg/l		
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				
		( )				

Remarks _____

*Date of Test Initiation

601

United States Environmental Protection Agency
Washington, D. C. 20460

EPA NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Math Insp Sched'd

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N	3 MS P0 90 02 11	12 91 05 15 17	18 SM	19 S	20 2 MAY

Remarks

Reserved	Facility Evaluation Rating	BI	OA	Reserved
67 69	70 N	71 N	72 N	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time / Exit Time/Date	Permit Effective Date / Permit Expiration Date
Kerr McGee Forest Prod. Columbus Mississippi	Entry Time: ☒ AM ☐ PM 11:15	Permit Effective Date: May 23, 1989
	Exit Time/Date:	Permit Expiration Date: May 22, 1994

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
Mr. J.J. Getz	Plant Manager	601-328 7551

Name, Address of Responsible Official	Title	Phone No. / Contacted
Mr. J.J. Getz Kerr McGee Chemical Corporation P.O. Box 906 Columbus, Mississippi 39701		Phone No. 601 328-7551 Contacted ☐ Yes ☐ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

N	Permit	N	Flow Measurement	N	Pretreatment	N	Operations & Maintenance
N	Records/Reports	N	Laboratory	N	Compliance Schedules	N	Sludge Disposal
N	Facility Site Review	S	Effluent/Receiving Waters	N	Self-Monitoring Program	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

Analytical results of effluent sample indicate that permittee is in compliance with permit limitations.

In Compliance

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone	Date
D. Spurgeon	NRO	5/15/91
Signature of Reviewer	**Agency/Office**	**Date**
Nasreen Salem	O.P.C.	7/9/91

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Action Taken	Date	Compliance Status
copy of result forwarded to permittee	7/9/91	☐ Noncompliance ☒ Compliance

EPA Form 3560-3 (Rev. 3-85) Previous editions are obsolete.

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. 601

I. GENERAL INFORMATION: Facility Name Kerr McGee Forest Prod.
County Code Lowndes NPDES Permit No. 90021
Discharge No. 001 Date Requested 5/91
Sample Point Identification Process wastewater and boiler blowdown
Requested By Compliance Monitoring Data To N. Salem X
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION: C
Environment Condition Clear and hot Collected By D.Spurgeon
Where Taken Just prior to v-notch weir

	Type	Parameters	Preservative	Date	Time
1.	Grab	Oil & Grease	5 ml H_2SO_4	5/15/91	1115
2.	Grab	Phenols	5 ml H_2SO_4	5/15/91	1115
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	(X)	✓ 6.83	DS	5/15/91
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	(X)	.02 MGD	DS	5/15/91

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Danny Ewert Date 5/17/91 Time 0945
Recorded By Dorothy Lewis Date Sent to State Office 6/21/91

Analysis	Computer Code	Request		Result		Analyst	Date Measured
BOD_5	(000310)	( )			mg/l		*
COD	(000340)	( )			mg/l		"
TOC	(000680)	( )			mg/l		
Suspended Solids	(099000)	( )			mg/l		
TKN	(000625)	( )			mg/l		
Ammonia-N	(000610)	( )			mg/l		
Fecal Coliform(1)	(074055)	( )			colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )			colonies/100 ml		*
Total Phosphorus	(000665)	( )			mg/l		
Oil and Grease(1)	(000550)	(X)		✓ 27.0	mg/l	GT	6/6/91
Oil and Grease(2)	(000550)	( )			mg/l		
Chlorides	(099016)	( )			mg/l		
Phenol	(032730)	(X)	*	120.0	mg/l	DS	6/14/91
Total Chromium	(001034)	( )			mg/l		
Hex. Chromium	(001032)	( )			mg/l		
Zinc	(001092)	( )			mg/l		
Copper	(001042)	( )			mg/l		
Lead	(017501)	( )			mg/l		
Cyanide	(000722)	( )			mg/l		
		( )					
		( )					
		( )					
		( )					
		( )					
		( )					
		( )					
		( )					
		( )					
		( )					

Remarks Max Load = (120 mg/l)(8.34)(.02 MGD) = 20 lbs/D / B.K.

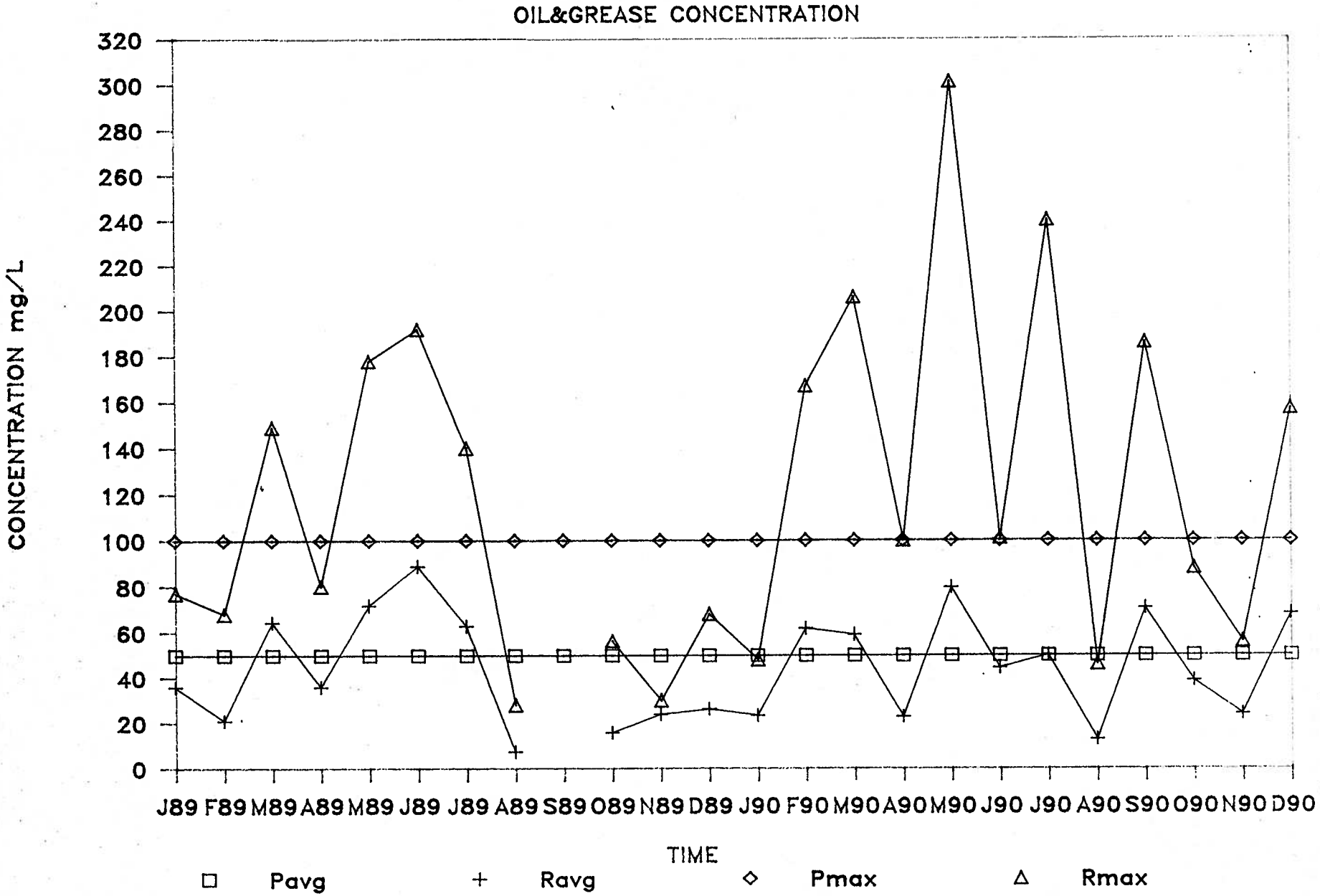
*Date of Test Initiation

Kerr McGee Chemical Corporation
Columbus, Mississippi
MSP090021

Oil/Grease concentration

Mon/Yr	Pavg	Ravg	Deviation	Pmax	Rmax	Deviation
J89	50	35.9	0	100	77	0
F89	50	21.1	0	100	68	0
M89	50	64.3	29%	100	149	49%
A89	50	35.9	0	100	80	0
M89	50	71.8	44%	100	178	78%
J89	50	88.8	78%	100	192	92%
J89	50	62.8	26%	100	140	40%
A89	50	7.4	0	100	28	0
S89	50			100		
O89	50	15.8	0	100	56.3	0
N89	50	24	0	100	30	0
D89	50	26.24	0	100	68	0
J90	50	23.34	0	100	48	0
F90	50	61.7	23%	100	167	67%
M90	50	59	18%	100	206	>100%
A90	50	22.78	0	100	100	0
M90	50	79.42	59%	100	301	>100%
J90	50	44.36	0	100	101	0
J90	50	49.96	0	100	240	>100%
A90	50	12.83	0	100	46	0
S90	50	70.55	41%	100	186	86%
O90	50	38.61	0	100	88	0
N90	50	24	0	100	56.	0
D90	50	68	36%	100	157	57%

KERR McGEE CHEMICAL CORPORATION

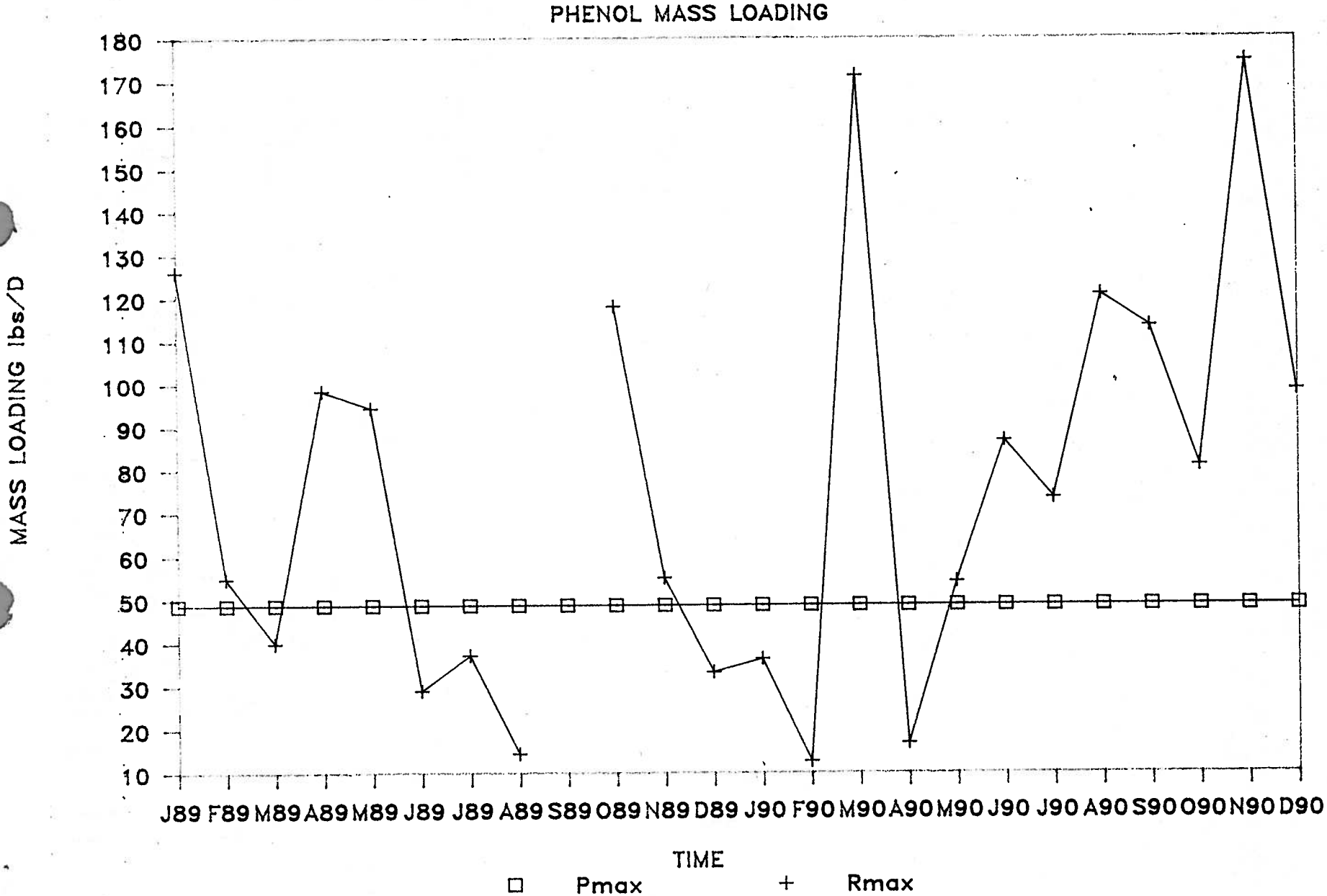


Kerr McGee Chemical Corporation
Columbus, Mississippi
MSP0090021

Phenol Mass Loading lbs/D

Mon/Yr	Pmax	Rmax	Deviation	
J89	48.8	126	>100%	
F89	48.8	54.9	13%	
M89	48.8	39.9	0	
A89	48.8	98.4	>100%	
M89	48.8	94.4	93%	
J89	48.8	29	0	
J89	48.8	37.1	0	
A89	48.8	14.4	0	
S89	48.8			
O89	48.8	117.9	>100%	
N89	48.8	55	13%	
D89	48.8	33.2	0	
J90	48.8	36.24	0	
F90	48.8	12.61	0	
M90	48.8	171.26	>100%	
A90	48.8	16.75	0	
M90	48.8	54.04	11%	
J90	48.8	86.55	77%	
J90	48.8	73.32	50%	
A90	48.8	120.47	>100%	
S90	48.8	113.25	>100%	
O90	48.8	80.79	65%	
N90	48.8	174.47	>100%	*
D90	48.8	98.3	>100%	*

KERR McGEE CHEMICAL CORPORATION



United States Environmental Protection Agency, Washington, D.C., 20460

EPA NPDES Compliance Inspection Report

Form Approved
OMB No.2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code	NPDES	YR/MO/DAY	Inspection Type	Inspector	Facility Type	Sched'd
N	MSP090021	94/08/10	2M	S	2	Apr.

Reserved	Facility Evaluation Rating	BI	QA	Reserved
	N	N	N	

Section B: Facility Data

Name and Location of Facility Inspected
Kerr-McGee Chemical Corporation
Columbus, Mississippi

Entry Time: 12:00 p.m.
Exit Time/Date: NA
Permit Effective Date: May 23, 1989
Permit Expiration Date: May 22, 1994

Name(s) of On-Site Representative(s): Mr. Anthony Helms
Title(s): Plant Manager
Phone No(s): (601)-328-7551

Name, Address of Responsible Official
Mr. Anthony Helms
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, MS 39701

Title: Plant Manager
Phone No.: (601)-328-7551
Contacted: YES__ NO__

Section C: Areas Evaluated During Inspection (S-Satisfactory, M-Marginal, U-Unsatisfactory, N-Not Evaluated)

N Permit	N Flow Measurement	N Pretreatment	N Operations & Maintenance
N Records/Reports	N Laboratory	N Compliance Schedules	N Sludge Disposal
N Facility Site Review	U Effluent/Receiving Waters	N Self-Monitoring Program	N Other

Section D: Summary of Findings/Comments

The analytical results of the sample indicate that Kerr-McGee Chemical Corporation was not in compliance with the pretreatment permit.

Names and Signatures of Inspectors	Agency/Office/Telephone	Date
Dewitt Spurgeon & Clift Jeter	Office of Pollution Control	Aug. 10, 1994
Signature of Reviewer: Milton Brumfield	Agency/Office: Office of Pollution Control	Date: Sept. 16, 1994

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Action Taken	Date	
		X Noncompliance Compliance

United States Environmental Protection Agency, Washington, D.C., 20460

EPA NPDES Compliance Inspection Report

Form Approved
OMB No.2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code	NPDES	YR/MO/DAY	Inspection Type	Inspector	Facility Type	Scheduled
N	MSP090021	94/02/24	3	S	2	Nov.

Reserved	Facility Evaluation Rating	BI	QA	Reserved
	3	N	N	

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time:	Permit Effective Date:
Kerr-McGee Columbus, Mississippi	11:45 a.m.	May 23, 1989
	Exit Time/Date: NA	Permit Expiration Date: May 22, 1994

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
Mr. Chuck Swann		(601)-328-7551

Name,Address of Responsible Official	Title	Phone No.	Contacted
Mr. Anthony Helms Kerr-McGee P.O. Box 906 Columbus, MS 39701	Plant Manager	(601)-328-7551	YES_ NO_

Section C: Areas Evaluated During Inspection (S-Satisfactory, M-Marginal, U-Unsatisfactory, N-Not Evaluated)

S Permit	S Flow Measurement	S Pretreatment	S Operations & Maintenance
S Records/Reports	N Laboratory	N Compliance Schedules	N Sludge Disposal
S Facility Site Review	N Effluent/Receiving Waters	N Self-Monitoring Program	N Other

Section D: Summary of Findings/Comments

On February 24, 1994, I met with Mr. Chuck Swann of Kerr-McGee Chemical Corp. for a compliance evaluation inspection. Mr. Swann accompanied me on an inspection of the facility and grounds. The following were noted:

1. No non-compliance discharges were noted
2. Flow measurement was adequate.
3. In possession of permit
4. Records and DMR's were in order
5. The avg. loading calculations were correct
6. Operations appeared sufficient
7. Samples are analyzed by outside lab
8. No problems were noted

Names and Signatures of Inspectors	Agency/Office/Telephone	Date
Milton Brumfield	Office of Pollution Control	Feb. 24, 1994

Signature of Reviewer	Agency/Office	Date
Milton Brumfield	Office of Pollution Control	March 11, 1994

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Action Taken	Date	
		Noncompliance X Compliance

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M E M O R A N D U M

TO: File-Kerr-McGee Chemical Corp. (MSP090021)

FROM: Milton Brumfield

SUBJECT: Compliance Evaluation Inspection (CEI)

On February 24, 1994, I met with Mr. Chuck Swann of Kerr-McGee Chemical Corp. for a compliance evaluation inspection. Mr. Swann accompanied me on an inspection of the facility and grounds. The following were noted:

1. No non-compliance discharges were noted
2. Flow measurement was adequate.
3. In possession of permit
4. Records and DMR's were in order
5. The avg. loading calculations were correct.
6. Operations appeared sufficient
7. Samples are analyzed by outside lab
8. No problems were noted

United States Environmental Protection Agency, Washington, D.C., 20460

EPA NPDES Compliance Inspection Report

Form Approved
OMB No.2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code	NPDES	YR/MO/DAY	Inspection Type	Inspector	Facility Type	Scheduled
N	MSP090021	93/08/09	2M	S	2	Aug.

Reserved	Facility Evaluation Rating	BI	QA	Reserved
	N	N	N	

Section B: Facility Data

Name and Location of Facility Inspected

Kerr-McGee
Columbus, Mississippi

Entry Time: 11:30 a.m.

Exit Time/Date: NA

Permit Effective Date: May 23, 1989

Permit Expiration Date: May 22, 1994

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
Mr. John Getz	Plant Manager	(601)-328-7551

Name,Address of Responsible Official

Mr. John Getz
Kerr-McGee
P.O. Box 906
Columbus, MS 39701

Title: Plant Manager

Phone No.: (601)-328-7551

Contacted: YES__ NO__

Section C: Areas Evaluated During Inspection (S-Satisfactory, M-Marginal, U-Unsatisfactory, N-Not Evaluated)

N Permit	N Flow Measurement	N Pretreatment	N Operations & Maintenance
N Records/Reports	N Laboratory	N Compliance Schedules	N Sludge Disposal
N Facility Site Review	S Effluent/Receiving Waters	N Self-Monitoring Program	N Other

Section D: Summary of Findings/Comments

The analytical results of the samples indicate that Kerr-McGee was in compliance with the pretreatment permit.

Names and Signatures of Inspectors	Agency/Office/Telephone	Date
Lynne Burrell	North Regional Office	August 9, 1993

Signature of Reviewer	Agency/Office	Date
Milton Brumfield	Office of Pollution Control	9-23-93

Regulatory Office Use Only

Action Taken	Date	
		Noncompliance X Compliance

EPA Form 3560-3 (Rev. 3-85) Previous editions are obsolete

United States Environmental Protection Agency
Washington, D. C. 20460

EPA NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding (Math Insp)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type	Sched'd
1 N	2 5 3 MS P 0 1 9 0 0 2 1 11	12 9 3 0 4 0 8 17	18 3	19 5	20 2	N 0 4

Remarks: 21 ... 66

Reserved	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 3	71 N	72 N	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time / Exit Time/Date	Permit Effective Date / Permit Expiration Date
Kerr-McGee Chemical Co. Columbus, MS	Entry Time 2:11 ☐ AM ☒ PM; Exit Time/Date:	Permit Effective Date: MAY 23, 1989; Permit Expiration Date: MAY 22, 1994

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
Mr. Anthony Helms		328-7551

Name, Address of Responsible Official	Title	Phone No.	Contacted
Mr. J.J. Getz, P.O. Box 906, Columbus, MS 39701			☐ Yes ☐ No

Section C: Areas Evaluated During Inspection
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	S	Flow Measurement	S	Pretreatment	S	Operations & Maintenance
S	Records/Reports	N	Laboratory	N	Compliance Schedules	N	Sludge Disposal
S	Facility Site Review	S	Effluent/Receiving Waters	N	Self-Monitoring Program	N	Other:

Section D: Summary of Findings/Comments *(Attach additional sheets if necessary)*

On April 8, 1993, I met with Mr. Anthony Helms of Kerr-McGee Chemical Co. for a compliance evaluation inspection. I was given a tour of the facility and grounds by Mr. Helms. The waste water is generated from storm water, process water, and remediation water. Mr. Helms informed me that the below-ground separator will soon be discontinued from operation. The aerated tanks that are also a component of the pretreatment process had no containment. I compared a sample of bench sheets with the corresponding DMR's and they were in order. No problems were noted.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone	Date
Milton Brumfield	OPC	4-8-93
Signature of Reviewer	**Agency/Office**	**Date**
Milton Brumfield	OPC	4-23-93

Regulatory Office Use Only

Action Taken	Date	Compliance Status
		☐ Noncompliance ☒ Compliance

EPA Form 3560-3 (Rev. 3-85) Previous editions are obsolete.

EPA

United States Environmental Protection Agency
Washington, D. C. 20460

NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Math Insp

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type	Sched'd
1 N	2 5 3	12 9 2 0 8 2 5 17	18 2 A	19 5	20 2	A 4 G

Remarks: 21 ... 66

Reserved	Facility Evaluation Rating	BI	QA	Reserved	
67 ... 69	70 N	71 N	72 N	73 ... 74	75 ... 80

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time ☐ AM ☐ PM	Permit Effective Date
Kerr McGee Wood Processing Columbus, MS	Exit Time/Date	MAY 23, 1984 Permit Expiration Date MAY 22, 1994

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
John J. Getz	PLANT MANAGER	

Name, Address of Responsible Official	Title	
John J. Getz P.O. Box 906 Columbus, MS 39703-0906	PLANT MANAGER Phone No.	Contacted ☐ Yes ☐ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

N	Permit	N	Flow Measurement	N	Pretreatment	N	Operations & Maintenance
W	Records/Reports	N	Laboratory	N	Compliance Schedules	N	Sludge Disposal
N	Facility Site Review	S	Effluent/Receiving Waters	N	Self-Monitoring Program	N	Other:

Section D: Summary of Findings/Comments *(Attach additional sheets if necessary)*

The results of the samples indicate that the facility is in compliance with the permit.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone	Date
D Spurgeon	OPC	8-25-92
Signature of Reviewer Milton Brumfield	Agency/Office OPC	Date 2-8-93

Regulatory Office Use Only

Action Taken	Date	Compliance Status
		☐ Noncompliance ☒ Compliance

EPA Form 3560-3 (Rev. 3-85) Previous editions are obsolete.

United States Environmental Protection Agency
Washington, D. C. 20460

EPA NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Mnth Insp

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type	Sched'd
1 N 2 5	3 MS P 0 9 0 0 2 11	12 9 1 1 1 1 2 17	18 C	19 S	20 2	N 0 V

Remarks

21 66

Reserved	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 N	71 N	72 N	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time / Exit Time/Date	Permit Effective Date / Permit Expiration Date
Kerr McGee Forest Production Columbus, Mississippi	Entry Time ☐ AM ☒ PM 1:00 Exit Time/Date 2:00 pm 11/12/91	Permit Effective Date May 23, 1989 Permit Expiration Date May 22, 1994

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
Mr. J.S. Getz	Plant Manager	601-3287551

Name, Address of Responsible Official	Title	Phone No.	Contacted
Mr. J.S. Getz Kerr McGee Chemical Corporation P.O. Box 906 Columbus, Mississippi 39701		601-3287551	☒ Yes ☐ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	S	Flow Measurement	S	Pretreatment	N	Operations & Maintenance
S	Records/Reports	N	Laboratory	S	Compliance Schedules	N	Sludge Disposal
S	Facility Site Review	N	Effluent/Receiving Waters	N	Self-Monitoring Program	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1 - Facility possesses a pretreatment permit which will expire on May 22, 1994.
2 - Verified records from June 1991 - till October 1991. Records were retained and proved DMR calculations and reporting to be correct.
3 - Facility Site review was satisfactory and indicated no illegal discharges
4 - Flow measurment is recorded and read by a flow meter installed at the sump where wastewater discharged to sewer.
5 - Pretreatment system was upgraded since enforcement action taken last year. physicochemical treatment system for phenol treatment is upgraded, also a Biological system was installed to ensure long term compliance.
6 - Kerr McGee has satisfied all items required by Agreed Order issued in May 1991, and has been in compliance with pretreatment limitations of pretreatment Permit

No problems were noted at facility. In compliance

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone	Date
Naresh Saleem	O.P.C.	11/12/91
Signature of Reviewer	**Agency/Office**	**Date**
Naresh Saleem	O.P.C.	11/18/91

Regulatory Office Use Only

Action Taken	Date	Compliance Status
copy of report forwarded to permittee		☐ Noncompliance ☒ Compliance

EPA Form 3560-3 (Rev. 3-85) Previous editions are obsolete.

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - December 1994 (Page 1 of 1)

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	23,645					
2	20,167					
3	18,932					
4	15,851					
5	20,211					
6	33,217	8.00				6.10
7	32,091					
8	35,188					
9	25,962	9.00		9.44	2.04	6.40
10	26,133					
11	26,444					
12	33,499					
13	38,284					
14	30,160	10.00		11.52	2.90	6.20
15	29,741					
16	32,162					
17	28,934					
18	26,228					
19	29,972					
20	35,451					
21	36,980					6.20
22	38,160					
23	30,140					
24	21,720					
25	20,683					
26	23,917					
27	30,965					
28	43,069					6.50
29	41,662					
30	29,937					
31	31,632					
Avg.	**29,392**	**9.00**		**10.48**	**2.47**	**6.28**
Max.	**43,069**	**10.00**		**11.52**	**2.90**	**6.50**
Min.	**15,851**	**8.00**		**9.44**	**2.04**	**6.10**

Table No. 2-3

FACIILITY DISCHARGE MONITORING RECORD

KMCC-FPD Facility - Columbus, MS
Month/Year - November 1994

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	38,172	18.00				6.20
2	33,150					
3	20,172					
4	23,365	9.00		9.05	1.76	6.10
5	35,984					
6	32,139					
7	2,736	14.00				5.90
8	3,378					
9	28,150					
10	21,957					
11	18,132	7.00		7.85	1.19	6.50
12	14,179					
13	15,980					
14	28,995					
15	18,016	9.00				6.40
16	12,105					
17	7,601					
18	24,791	8.00		6.89	1.42	6.10
19	22,980					
20	34,709					
21	24,772					
22	24,770	8.00				6.30
23	26,984	7.00		10.76	2.42	6.30
24	29,130					
25	21,775					
26	25,980					
27	17,458					
28	46,166					
29	25,617	8.00				6.10
30	31,822					
31						
Avg.	**23,706**	**9.78**		**8.64**	**1.70**	**6.21**
Max.	**46,166**	**18.00**		**10.76**	**2.42**	**6.50**
Min.	**2,736**	**7.00**		**6.89**	**1.19**	**5.90**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - September 1994 (Page 1 of 1)

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	**FLOW**	**mg/1**	**lbs.**	**mg/1**	**lbs.**	**SU**
1	20,152					
2	18,976					
3	23,841					
4	29,127	5.00				7.80
5	17,655					
6	12,270					
7	27,846	11.00		5.22	1.21	6.40
8	23,222					
9	19,927					
10	18,864					
11	35,469	9.00				6.40
12	33,217					
13	18,579					
14	26,596	9.00		10.37	2.30	6.30
15	29,932					
16	29,048					
17	1,098					
18	28,150	9.00				6.60
19	26,930					
20	27,136					
21	14,170	10.00		7.13	0.84	6.30
22	13,960					
23	16,841					
24	30,402					
25	29,276	12.00				6.20
26	23,646					
27	21,394					
28	15,780	9.00		8.30	1.09	6.60
29	21,340					
30	22,416					
31	24,491					
Avg.	**22,637**	**9.25**		**7.76**	**1.36**	**6.58**
Max.	**35,469**	**12.00**		**10.37**	**2.30**	**7.80**
Min.	**1,098**	**5.00**		**5.22**	**0.84**	**6.20**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - September 1994 (Page 1 of 1)

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	**FLOW**	**mg/1**	**lbs.**	**mg/1**	**lbs.**	**SU**
1	25,600					
2	28,522	7.00		11.46	2.73	6.30
3	31,685					
4	30,393					
5	29,038					
6	35,469	8.00				6.10
7	39,973					
8	33,217					
9	25,469	7.00		6.70	1.42	6.30
10	10,000					
11	32,936					
12	31,783					
13	43,351	9.00				6.60
14	13,794					
15	15,201					
16	16,314	12.00		8.74	1.19	6.20
17	12,221					
18	7,779					
19	7,882					
20	15,500	10.00				5.80
21	21,500					
22	19,500					
23	16,500	8.00		6.75	0.93	6.00
24	18,962					
25	29,839					
26	19,850					
27	25,335	8.00				6.30
28	31,247					
29	21,113					
30	23,234	11.00		9.08	1.76	6.20
31						
Avg.	**23,774**	**8.89**		**8.55**	**1.61**	**6.20**
Max.	**43,351**	**12.00**		**11.46**	**2.73**	**6.60**
Min.	**7,779**	**7.00**		**6.70**	**0.93**	**5.80**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - August 1994 (Page 1 of 1)

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	**FLOW**	**mg/1**	**lbs.**	**mg/1**	**lbs.**	**SU**
1	30,402					
2	19,142	7.00				6.20
3	29,839					
4	14,920					
5	30,122	11.00		4.33	1.09	6.40
6	36,850					
7	35,776					
8	36,595					
9	38,284	6.00				6.20
10	28,713	200.00		8.34	2.00	6.60
11	10,132					
12	5,122	15.00		3.85	0.16	
13	6,250					
14	5,802					
15	34,062					
16	32,936	11.00				6.60
17	22,160					
18	10,195					
19	12,170	11.00		6.43	0.65	6.40
20	16,943					
21	17,071					
22	2,815					
23	31,528	5.00				6.30
24	30,402					
25	22,520					
26	12,960	8.00		5.67	0.61	6.40
27	10,132					
28	16,037					
29	23,970					
30	28,834	13.00				6.50
31	27,722					
Avg.	**21,949**	**31.89**		**5.72**	**0.90**	**6.40**
Max.	**38,284**	**200.00**		**8.34**	**2.00**	**6.60**
Min.	**2,815**	**5.00**		**3.85**	**0.16**	**6.20**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - July 1994

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	28,730	6.00		6.53	1.56	6.40
2	23,741					
3	20,900					
4	25,453					
5	29,558	9.00				6.10
6	14,638					
7	25,630					
8	33,767	9.00		8.96	2.52	6.50
9	29,839					
10	18,250					
11	20,034					
12	38,566	12.00				6.10
13	32,150					
14	7,601					
15	22,730	13.00		19.65	3.73	7.00
16	28,149					
17	20,904					
18	16,046					
19	21,394	7.00				6.30
20	34,062					
21	19,705					
22	18,940	7.00		7.33	1.16	6.40
23	15,070					
24	16,942					
25	45,737					
26	47,440	6.00				6.20
27	15,764					
28	15,201					
29	23,970	7.00		5.51	1.10	6.60
30	28,542					
31	18,977					
Avg.	**24,465**	**8.44**		**9.60**	**2.01**	**6.40**
Max.	**47,440**	**13.00**		**19.65**	**3.73**	**7.00**
Min.	**7,601**	**6.00**		**5.51**	**1.10**	**6.10**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - June 1994 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	22,520					
2	25,335					
3	26,050	10.00		9.89	2.15	6.60
4	23,982					
5	33,011					
6	25,054					
7	30,402	7.00				6.40
8	25,335					
9	29,276					
10	26,572	9.00		8.98	1.99	7.10
11	24,980					
12	31,491					
13	45,885					
14	37,158	9.00				6.20
15	50,952					
16	28,995					
17	31,072	9.00		4.06	1.05	6.40
18	25,665					
19	30,538					
20	21,113					
21	28,713	8.00				6.40
22	34,062					
23	14,920					
24	23,990	7.00		12.02	2.40	6.40
25	25,070					
26	22,160					
27	45,322					
28	25,898	8.00				6.50
29	15,483					
30	16,046					
31						
Avg.	**28,235**	**8.38**		**8.74**	**1.52**	**6.50**
Max.	**50,952**	**10.00**		**12.02**	**2.40**	**7.10**
Min.	**14,920**	**7.00**		**4.06**	**1.05**	**6.20**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - May 1994 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	**FLOW**	**mg/1**	**lbs.**	**mg/1**	**lbs.**	**SU**
1	31,177					
2	23,083					
3	41,099	19.00				6.30
4	36,595					
5	13,231					
6	39,985	9.00		8.39	2.80	6.80
7	41,250					
8	47,411					
9	39,571					
10	50,170	13.00				6.90
11	46,133					
12	36,967					
13	32,972	17.00		10.46	2.88	6.50
14	30,121					
15	28,958					
16	41,250					
17	50,132	12.00				6.60
18	38,970					
19	51,497					
20	28,995	12.00		12.07	2.92	6.60
21	16,830					
22	13,009					
23	31,810					
24	26,743	11.00				6.50
25	37,158					
26	34,062					
27	19,855	15.00		82.93	13.73	6.20
28	17,220					
29	16,990					
30	14,160					
31	15,944	14.00				6.20
Avg.	**32,043**	**13.56**		**28.46**	**4.47**	**6.51**
Max.	**51,497**	**19.00**		**82.93**	**13.73**	**6.90**
Min.	**13,009**	**9.00**		**8.39**	**2.80**	**6.20**

Table No. 2-3

FACIILITY DISCHARGE MONITORING RECORD

KMCC-FPD Facility - Columbus, MS
Month/Year - April, 1994

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	18,970	11.00		9.47	1.50	6.40
2	23,992					
3	28,122					
4	21,394					
5	48,981	10.00				6.80
6	29,558					
7	32,936					
8	26,863	9.00		13.50	3.02	6.60
9	14,830					
10	15,170					
11	18,861					
12	52,922	8.00				6.30
13	19,705					
14	27,869					
15	41,381	9.00		4.93	1.70	6.30
16	28,330					
17	30,222					
18	23,083					
19	32,091	10.00				6.30
20	19,142					
21	54,893					
22	59,870	10.00		27.65	13.81	6.50
23	70,120					
24	74,379					
25	76,005					
26	45,603	7.00				6.50
27	30,170					
28	32,185					
29	36,930	6.00		12.23	3.77	6.20
30	29,937					
31						
Avg.	**35,484**	**8.89**		**16.95**	**4.76**	**6.43**
Max.	**76,005**	**11.00**		**27.65**	**13.81**	**6.80**
Min.	**14,830**	**6.00**		**4.93**	**1.50**	**6.20**

Table No. 2-3

FACIILITY DISCHARGE MONITORING RECORD

KMCC-FPD Facility - Columbus, MS
Month/Year - March 1994

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	41,099	13.00				
2	34,343					
3	27,869					
4	24,491	10.00		16.13	3.29	6.20
5	23,950					
6	23,624					
7	10,416					
8	65,871	10.00				6.50
9	75,724					
10	38,003					
11	25,692	11.00		32.98	7.07	6.20
12	30,135					
13	33,690					
14	10,697					
15	38,847	13.00				6.40
16	28,962					
17	30,150					
18	32,343	10.00		7.01	1.89	6.40
19	33,531					
20	28,951					
21	14,075					
22	31,528	9.00				6.40
23	32,373					
24	52,922					
25	39,950	7.00		11.43	3.81	6.60
26	41,730					
27	44,432					
28	37,158					
29	33,499	10.00				6.40
30	32,091					
31	28,432					
Avg.	**33,761**	**10.33**		**16.89**	**4.02**	**5.68**
Max.	**75,724**	**13.00**		**32.98**	**7.07**	**6.60**
Min.	**10,416**	**7.00**		**7.01**	**1.89**	**6.20**

Table No. 2-3

FACIILITY DISCHARGE MONITORING RECORD

KMCC-FPD Facility - Columbus, MS
Month/Year - FEBRUARY, 1994

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	30,150	14.00				6.40
2	21,957					
3	27,587					
4	23,910	15.00		11.02	2.20	6.10
5	21,031					
6	25,160					
7	32,647					
8	27,306	12.00				6.20
9	26,180					
10	71,210					
11	23,960	10.00		17.70	3.54	6.30
12	31,041					
13	25,650					
14	33,638					
15	22,239	9.00				6.00
16	54,611					
17	17,172					
18	25,921	10.00		20.23	4.37	6.10
19	27,160					
20	32,214					
21	5,349					
22	37,158					
23	25,617	13.00				6.40
24	36,314					
25	30,195	14.00		13.77	3.47	6.90
26	32,652					
27	37,086					
28	30,985				0.00	
29						
30						
31						
Avg.	**29,861**	**12.13**		**15.68**	**3.39**	**6.30**
Max.	**71,210**	**15.00**		**20.23**	**4.37**	**6.90**
Min.	**5,349**	**9.00**		**11.02**	**0.00**	**6.00**

Table No. 2-3

FACILITY DISCHARGE MONITORING RECORD

KMCC-FPD Facility - Columbus, MS
Month/Year - JANUARY 1994

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	30,243					
2	24,167					
3	47,855					
4	65,871	10.00				6.50
5	65,590					
6	46,729					
7	39,129	11.00		30.65	10.00	8.00
8	29,800					
9	20,025					
10	21,676					
11	10,979	14.00				6.30
12	12,668					
13	34,906					
14	22,212	12.00		23.70	4.39	6.30
15	18,967					
16	21,033					
17	39,129					
18	23,351	10.00				6.30
19	20,000					
20	23,365					
21	21,957	12.00		12.37	2.27	6.30
22	15,987					
23	12,103					
24	17,513					
25	30,975	9.00			0.00	6.10
26	45,420					
27	51,969					
28	30,165	9.00		16.22	4.08	6.00
29	29,937					
30	30,233					
31	35,214					
Avg.	**30,296**	**10.88**		**20.74**	**5.18**	**6.48**
Max.	**65,871**	**14.00**		**30.65**	**10.00**	**8.00**
Min.	**10,979**	**9.00**		**12.37**	**0.00**	**6.00**

Lowndes

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 909
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY N HELMS PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16)

MSP090021 — PERMIT NUMBER
001 A — DISCHARGE NUMBER (17-19)

MINOR
(SUBR NO) MRB
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved
OMB No. 2040-0004

1994

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	94	12	01	TO	94	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		6.10	******	6.50	(12)		1/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	9.5 MAXIMUM	SU		WEEKLY	GRAB
& GREASE (FREON TR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******		******	9.00	10.00	(19)		2/31	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	50 REPORT MO AVG	59 MO MAX	MG/L		TWICE/MONTH	GRAB
PHENOLS	SAMPLE MEASUREMENT	2.47	2.90	(26)	******	10.48	11.52	(19)		2/31	GRAB
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	32.6 MO AVG	48.8 MO MAX	LBS/DY	******	52 MO AVG	78 MO MAX	MG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	.043	(03)	******	******	******			7/7	CONT.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	.075 MO MAX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A. N. HELMS
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 95 | MO 01 | DAY 17

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Lowndes

EE NAME/ADDRESS (Include e/Location if different)
ERR-MCGEE (COLUMBUS)
O BOX 906
COLUMBUS MS 39703

FACILITY
LOCATION

ATTN: ANTHONY N HELMS PLANT MANAGER

Received OPC DEC 1994

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MSP090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	94	11	01	TO	94	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
(SUBR NO) MRB
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved
OMB No. 2040-0004

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		5.9	******	6.5	(12)		1/7	GRAB
00400 1 0 0	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	9.5 MAXIMUM	SU		WEEKLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	9.78	18	(19)		2/30	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	PERMIT REQUIREMENT	******	******	**** ****	******	XX REPORT MO AVG	59 MO MAX	MG/L		TWICE/ MONTH	GRAB
00560 1 0 0	SAMPLE MEASUREMENT	1.7	2.42	(26)	******	8.64	10.76	(19)		2/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	32.6 MO AVG	48.8 MO MAX	LBS/DY	******	52 MO AVG	78 MO MAX	MG/L		TWICE/ MONTH	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	0.046	(03)	******	******	******			7/7	CONT.
46000 1 0 0	PERMIT REQUIREMENT	******	.075 MO MAX	MGD	******	******	******	**** ****		DAILY	CONTIN
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT										
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A. N. HELMS

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

A.N. Helms

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
601	328-7551	94	12	13
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

Lowndes

NAME/ADDRESS (Include Location if different)
ERR-MCCAIN (COLUMBUS)
P O BOX 906
COLUMBUS MS 39703

FACILITY
LOCATION
ATTN: ANTHONY N HELMS PLANT MANAGER

Received NOV 1994 DMC

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD
FROM YEAR 94 MO 10 DAY 01 (20-21) (22-23) (24-25) TO YEAR 94 MO 10 DAY 31 (26-27) (28-29) (30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		6.2	*******	*******	(12)		2/7	GRAB
	PERMIT REQUIREMENT	*******	*******	********	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	9.25	12	(19)		2/7	GRAB
	PERMIT REQUIREMENT	*******	*******	********	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	2.30	(26)	*******	*******	*******			1/7	GRAB
	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	*******	****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.023	0.035	(03)	*******	*******	*******			7/7	CONT
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A. N. HELMS
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 94 MO 11 DAY 23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TTEE NAME/ADDRESS (Include Name/Location if different) Lowndes

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

COLUMBUS MS 39703

FACILITY

LOCATION

ATTN: ANTHONY N HELMS PLANT MANAGER

Received OCT 1994 OWC

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MINOR

(SUBR NO)

F - FINAL

PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	94	09	01	TO	94	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		5.8	*******	*******	(12)		2/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	********	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	*******	*******		*******	8.89	12.00	(19)		2/7	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	********	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******	2.73	(26)	*******	*******	*******			1/7	GRAB
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	*******	********		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.024	0.043	(03)	*******	*******	*******			7/7	CONTIN.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	********		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A. N. HELMS / PLT. MGR.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (*Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.*)

Anthony N. Helms

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 94 | MO 10 | DAY 21

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

Lowndes

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 2906
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY N HELMS PLANT MANAGER

SEP 1994 Received OPC

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER
MINOR
(SUBR NO) MJR
F - FINAL
PRETREATED PROCESS WW & BOILE

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD
FROM YEAR 94 MO 08 DAY 01 TO YEAR 94 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		6.2	*******	*******	(12)		2/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	*******	*******		*******	31.89	200	(19)		2/7	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******	2.00	(26)	*******	*******	*******			1/7	GRAB
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.022	.038	(03)	*******	*******	*******			7/7	CONT.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A.N. HELMS / PLT. MGR.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

A.N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 94 MO 09 DAY 19

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
SEE COVER LETTER

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (SOUTH) LLC
ADDRESS P O BOX 906
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY HELMS PLANT MANAGER

Lowndes

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO) 001
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD
FROM YEAR 94 MO 07 DAY 01 (20-21) (22-23) (24-25)
TO YEAR 94 MO 07 DAY 31 (26-27) (28-29) (30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		6.1	*******	*******	(12)		2/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	*******	*******		*******	8.44	13	(19)		2/7	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******	3.73	(26)	*******	*******	*******			1/7	GRAB
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.025	0.048	(03)	*******	*******	*******			7/7	CONT.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A.N. HELMS
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 94 MO 08 DAY 16

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY N. HELMS PLANT MANAGER

Lowndes

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO) NOD
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

1994

MONITORING PERIOD
FROM YEAR 94 MO 06 DAY 01 TO YEAR 94 MO 06 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		6.5	*******	*******	(12)		2/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	***** *****	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	*******	*******		*******	8.38	10.00	(19)		2/7	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	***** *****	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******	2.40	(26)	*******	*******	*******			1/7	GRAB
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	******* ****	****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.028	0.051	(03)	*******	*******	*******			7/7	CONT.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	******* ****	****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A.N. HELMS / PLANT MGR.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551
DATE: YEAR 94 | MO 07 | DAY 13

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Facility Name/Location if different)

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

COLUMBUS MS 39703

FACILITY

LOCATION

ATTN: ANTHONY N HELMS PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MSP090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
94	05	01	94	05	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		6.2	******	******	(12)		2/7	GRAB
00400 1 0 0	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
EFFLUENT GROSS VALUE											
OIL & GREASE (FREON	SAMPLE MEASUREMENT	******	******		******	13.56	19	(19)		2/7	GRAB
EXTR.-IR METH) TOT,RC	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
00560 1 0 0											
EFFLUENT GROSS VALUE											
PHENOLS	SAMPLE MEASUREMENT	******	13.73	(26)	******	******	******			1/7	GRAB
46000 1 0 0	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	0.032	0.052	(03)	******	******	******			7/7	CONT.
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
50050 1 0 0											
EFFLUENT GROSS VALUE											
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A.N. HELMS

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

A.N. Helms 6/6/94

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
601	328-7551	94	06	06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)
NAME KERR-MCGEE [illegible]
ADDRESS P O BOX [illegible]
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY N HELMS PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO) [illegible]
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		6.2	*******	*******	(12)		2/7	GRAB
	PERMIT REQUIREMENT	*******	*******	********	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	8.89	11.00	(19)		2/7	GRAB
	PERMIT REQUIREMENT	*******	*******	********	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	13.81	(26)	*******	*******	*******			1/7	GRAB
	PERMIT REQUIREMENT	*******	46.8 DAILY MX	LBS/DY	*******	*******	*******	********		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.035	0.076	(03)	*******	*******	*******			7/7	CONTIN
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	********		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A. N. HELMS / PLANT MANAGER
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

A. N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
601	328-7551	94	05	11
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Lourdes

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 2328
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY N HELMS PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO) (SUBR CODE)
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD
FROM YEAR 94 MO 03 DAY 01 (20-21) (22-23) (24-25)
TO YEAR 94 MO 03 DAY 31 (26-27) (28-29) (30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		6.20	******	******	(12)		2/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
L & GREASE (FREON CR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******		******	10.33	13.00	(19)		2/7	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	7.07	(26)	******	******	******			1/7	GRAB
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.034	0.076	(03)	******	******	******			7/7	CONT.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A.N. HELMS
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551
DATE: YEAR 94 MO 4 DAY 15

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 39703
FACILITY
LOCATION
ATTN: ANTHONY N. HELMS PLANT MANAGER

Lowndes

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A
MINOR
(SUBR NO) NUR
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD
FROM YEAR 94 MO 02 DAY 01 (20-21) (22-23) (24-25) TO YEAR 94 MO 02 DAY 28 (26-27) (28-29) (30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		6.0	*******	*******	(12)		2/7	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*******	*******	***** *****	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	12.13	15.00	(19)		2/7	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	PERMIT REQUIREMENT	*******	*******	***** *****	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
00560 1 0 0	SAMPLE MEASUREMENT	*******	4.37	(26)	*******	*******	*******			1/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	*******	***** *****		WEEKLY	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******			*******	*******	*******				
46000 1 0 0	PERMIT REQUIREMENT	*******			*******	*******	*******	***** *****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT										
50050 1 0 0	SAMPLE MEASUREMENT	0.030	0.071	(03)	*******	*******	*******			7/7	CONT.
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	***** *****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A.N. HELMS
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

A.N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551
DATE: YEAR 94 MO 2 DAY 2

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906
COLUMBUS MS 39703

FACILITY

LOCATION

ATTN: ANTHONY N HELMS - PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021

(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO) NOE
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

FEB 10 1994

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
94	01	01	94	01	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		6.48	******	******	(12)		2/7	GRAB
00400 1 0 0	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	10.88	14.00	(19)		2/7	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
00560 1 0 0	SAMPLE MEASUREMENT	******	10.0	(26)	******	******	******			1/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
PHENOLS	SAMPLE MEASUREMENT	0.030	0.066	(03)	******	******	******			7/7	CONT.
46000 1 0 0	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT										
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

ANTHONY N. HELMS

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Anthony N. Helms

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 94 | MO 02 | DAY 21

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

Table No. 2-3

FACIILITY DISCHARGE MONITORING RECORD

KMCC-FPD Facility - Columbus, MS
Month/Year - DECEMBER 1993

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	25,000					
2	23,928					
3	23,950	14.00		37.15	7.42	6.70
4	24,870					
5	31,689					
6	14,357					
7	15,483	15.00				6.00
8	22,520					
9	22,239					
10	22,920	13.00		31.46	6.01	6.60
11	23,641					
12	25,785					
13	43,633					
14	14,920	10.00				6.30
15	23,646					
16	13,512					
17	21,210	9.00		32.04	5.67	6.40
18	24,361					
19	25,942					
20	80,791					
21	35,751	10.00				8.50
22	22,160	11.00		30.03	5.55	6.30
23	20,343					
24	20,132					
25	18,760					
26	20,790					
27	25,054					
28	66,153	12.00				6.40
29	35,450					
30	33,600					
31	31,739					
Avg.	**27,559**	**11.75**		**32.67**	**6.16**	**6.65**
Max.	**80,791**	**15.00**		**37.15**	**7.42**	**8.50**
Min.	**13,512**	**9.00**		**30.03**	**5.55**	**6.00**

Table No. 2-3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC-FPD Facility - Columbus, MS
Month/Year - NOVEMBER 1993 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	24,209					
2	29,839	10.00				7.10
3	23,083					
4	27,024					
5	26,743	7.00		50.48	11.26	7.00
6	21,250					
7	20,975					
8	19,142					
9	22,239	15.00				6.70
10	25,617					
11	13,794					
12	18,172	9.00		43.90	6.65	6.70
13	14,971					
14	16,964					
15	31,810					
16	15,483	9.00				5.70
17	10,134					
18	29,340					
19	28,760	7.00		33.73	8.09	5.80
20	29,790					
21	30,150					
22	28,560					
23	29,730	13.00				5.70
24	30,350	10.00		15.97	4.04	6.80
25	29,622					
26	21,733					
27	28,147					
28	29,335					
29	28,471					
30	27,935	14.00				6.30
31						
Avg.	**24,446**	**10.44**		**36.02**	**7.51**	**6.42**
Max.	**31,810**	**15.00**		**50.48**	**11.26**	**7.10**
Min.	**10,134**	**7.00**		**15.97**	**4.04**	**5.70**

Table No. 2–3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – OCTOBER, 1993 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – SEPTEMBER, 1993

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXX

Table No. 2–3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – AUGUST, 1993

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – JUNE, 1993

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – MAY, 1993

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – APRIL, 1993

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – MARCH, 1993

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – FEBRUARY, 1993 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	18,500					
2	19,500	8.00				6.60
3	19,500					
4	18,000					
5	7,500	9.00		51.91	3.25	6.90
6	7,500					
7	10,000					
8	5,000					
9	65,000	8.00				6.50
10	40,000					
11	34,500					
12	21,500	11.00		43.16	7.74	6.90
13	21,500					
14	22,500					
15	13,500					
16	17,500	8.00				6.50
17	15,500					
18	6,000					
19	27,500	5.00		48.60	11.15	7.10
20	42,800					
21	29,500					
22	38,000					
23	35,500	8.00				6.80
24	31,500					
25	31,500					
26	13,000	11.00		49.53	5.37	6.90
27	12,000					
28	11,900					
29						
30						
31						
Avg.	22,721	8.50		48.30	6.88	6.78
Max.	65,000	11.00		51.91	11.15	7.10
Min.	5,000	5.00		43.16	3.25	6.50

Table No. 2–3 **FACILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – JANUARY, 1993 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	30,500					
2	30,500					
3	30,500					
4	26,500					
5	24,250	9.00				6.30
6	24,250					
7	26,000					
8	17,717	8.00		51.43	7.60	6.50
9	17,717					
10	17,717					
11	31,350	48.00				6.50
12	51,500					
13	21,500					
14	20,500					
15	21,667	11.00		54.27	9.81	6.80
16	21,667					
17	21,667					
18	13,000					
19	18,000	6.00				6.60
20	18,000					
21	17,500					
22	17,883	7.00		58.11	8.67	6.40
23	17,883					
24	17,883					
25	18,000					
26	19,000	8.00				6.90
27	18,000					
28	19,000					
29	18,333	8.00		39.21	6.00	6.50
30	18,333					
31	18,333		50.76			
Avg.	**21,494**	**13.13**		**67.67**	**10.69**	
Max.	**51,500**	**48.00**		**58.11**	**9.81**	**6.90**
Min.	**13,000**	**6.00**		**39.21**	**6.00**	**6.30**

How CAN AVG. be greater than MAX.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) Lowndes

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

COLUMBUS MS 38701

FACILITY

LOCATION

ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR (SUBR NO) NYG

F - FINAL

PRETREATED PROCESS WW & BOILER

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

1993

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.0	******	******	(12)		2/7	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
& GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	11.75	15.00	(19)		2/7	
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	7.42	(26)	******	******	******	( )		1/7	
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.028	.081	(03)	******	******	******	( )		7/7	
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

A.N. HELMS / PLANT MANAGER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

A.N. Helms

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 94 MO 01 DAY 17

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
Lowndes
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO) NY3
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	01	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.7	******	******	(12)		2/7	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
[redacted] & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	10.44	15.00	(19)		2/7	
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	11.26	(26)	******	******	******	( )		1/7	
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.0024	.0032	(03)	******	******	******	( )		7/7	
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
[redacted]	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY HELMS / PLT. MGR.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551
DATE: YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: ~~G. R. HARROD~~ A.N. Helms

MSP090021 PERMIT NUMBER
001 A DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 93 (20-21) MO 10 (22-23) DAY 01 (24-25) TO YEAR 93 (26-27) MO 10 (28-29) DAY 31 (30-31)

MINOR
(SUBR NO) NY
F - FINAL
PRETREATED PROCESS WW & BOILER
*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.6	******	******	(12)		2	7
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	10.89	15.00	(19)		2	7
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	3.76	(26)	******	******	******	( )		1	7
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.029	.053	(03)	******	******	******	( )		87	87
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY N. HELMS
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 93 MO 11 DAY 15

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS) Lowndes
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 93 MO 09 DAY 01 (20-21) (22-23) (24-25)
TO YEAR 93 MO 09 DAY 30 (26-27) (28-29) (30-31)

MINOR
(SUBR NO) NY
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.8	******	******	(12)		2	7
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	11.88	17.00	(19)		2	7
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	2.02	(26)	******	******	******	( )		1	7
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.031	.051	(03)	******	******	******	( )		7	7
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

File - Lowndes

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: ~~S. R. HARROD~~ A.N. Helms

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO) NYG
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD
FROM YEAR 93 (20-21) MO 08 (22-23) DAY 01 (24-25) TO YEAR 93 (26-27) MO 08 (28-29) DAY 31 (30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.0	******	******	(12)		2	7
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	13.0	17.0	(19)		2	7
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	13.81	(26)	******	******	******	( )		1	7
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.027	.043	(03)	******	******	******	( )		7	7
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY N. HELMS
PLANT MANAGER
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551
DATE: YEAR 93 | MO 9 | DAY 07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

File-Lowndes

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE [illegible]
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

AUG 1993
RECEIVED
REG. OPC

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO) NYS
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	07	01	TO	93	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(4 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.80	******	******	(12)		2	7
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	8.89	13.00	(19)		2	7
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	6.80	(26)	******	******	******	( )		1	7
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.030	.050	(03)	******	******	******	( )		7	7
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Anthony N. Helms
MANAGER
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

Anthony N. Helms
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 93 MO 8 DAY 19

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: ~~G. R. HARROD~~ John Getz

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
NYSDMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	06	01	TO	93	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.0	******	******	(12)		2	7
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
[illegible] & GREASE (FREON E[illegible]R.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	6.78	8.0	(19)		2	7
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	1.57	(26)	******	******	******	( )		1	7
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.033	.051	(03)	******	******	******	( )		[illegible]7	[illegible]7
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
[illegible]	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz - MANAGER
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 93 MO 07 DAY 07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

COLUMBUS MS 38701

FACILITY

LOCATION

ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MINOR

(SUBR NO) NYS

F - FINAL

PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	05	01	TO	93	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.0	******	******	(12)		2	7
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	8.75	14.0	(19)		2	7
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	33.72	(26)	******	******	******	( )		1	7
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.034	.055	(03)	******	******	******	( )		31	31
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John Getz - Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

John Getz

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 93 MO 06 DAY 07

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MONITORING PERIOD
FROM YEAR 93 MO 03 DAY 01 (20-21) (22-23) (24-25)
TO YEAR 93 MO 03 DAY 31 (26-27) (28-29) (30-31)

T. le - Lowndes

MINOR
(SUBR NO) NOSB No. 2040-0004
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	6.1	******	******	(12)			
	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	******	14	38	(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	10.1	(26)	******	******	******	( )			
	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.027	.056	(03)	******	******	******	( )			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John Getz Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 3287551
DATE: YEAR 93 MO 04 DAY 06

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Facility Name/Location if different) (Include

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

COLUMBUS MS 39701

FACILITY

LOCATION

ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MINOR

(SUBR NO) NONE

F - FINAL

PRETREATED PROCESS WW & BOILER

Form Approved OMB No. 2040-0004

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	02	01	TO	93	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.5	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******	( )	******	8.5	11.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	11.1	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.023	.065	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John J. Getz, Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

John J. Getz

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 93 MO 03 DAY 05

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

File: LOWNDES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

COLUMBUS MS 38701

FACILITY

LOCATION

ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MINOR (SUBR NO)

F - FINAL

PRETREATED PROCESS WW & BOILER

Form Approved OMB No. 2040-0004

MRB

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	93	01	01		93	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [__] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.3	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	13.1	48.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	.021 (8.34) (58.11) 1047	(26)	51.1	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.021	.052	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John Getz - Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 93 | MO 02 | DAY 09

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – DECEMBER, 1992

		O&G		PHENOLS		pH
Permit Requirement		XXXX

Table No. 2–3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – NOVEMBER, 1992 (Page 1 of 1)

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	20,500					
2	19,500					
3	21,000	9.00				6.50
4	23,000					
5	13,000					
6	15,500	9.00		5.35	0.69	6.90
7	16,000					
8	26,500					
9	16,500					
10	20,000	8.00				5.90
11	20,500					
12	16,000					
13	28,000	8.00		6.34	1.48	6.60
14	24,000					
15	25,500					
16	15,500					
17	15,500	8.00				6.50
18	16,500					
19	14,000					
20	30,000	6.00		82.04	20.53	6.60
21	24,500					
22	30,500					
23	22,000					
24	20,000	8.00		14.20	2.37	5.90
25	21,500					
26	22,500					
27	32,000				0.00	
28	21,000					
29	15,000					
30	10,500					
31					0.00	
Avg.	20,550	8.00		26.98	6.27	6.41
Max.	32,000	9.00		82.04	20.53	6.90
Min.	10,500	6.00		5.35	0.00	5.90

Table No. 2–3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – NOVEMBER, 1992 (Page 1 of 1)

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	SU
1	20,500					
2	19,500					
3	21,000	9.00				6.50
4	23,000					
5	13,000					
6	15,500	9.00		5.35	0.69	6.90
7	16,000					
8	26,500					
9	16,500					
10	20,000	8.00				5.90
11	20,500					
12	16,000					
13	28,000	8.00		6.34	1.48	6.60
14	24,000					
15	25,500					
16	15,500					
17	15,500	8.00				6.50
18	16,500					
19	14,000					
20	30,000	6.00		82.04	20.53	6.60
21	24,500					
22	30,500					
23	22,000					
24	20,000	8.00		14.20	2.37	5.90
25	21,500					
26	22,500					
27	32,000				0.00	
28	21,000					
29	15,000					
30	10,500					
31					0.00	
Avg.	20,550	8.00		26.98	6.27	6.41
Max.	32,000	9.00		82.04	20.53	6.90
Min.	10,500	6.00		5.35	0.00	5.90

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – OCTOBER, 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – SEPTEMBER, 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – AUGUST, 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – JULY 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – JUNE 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – MAY 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – APRIL 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3

FACIILITY DISCHARGE MONITORING RECORD

KMCC–FPD Facility – Columbus, MS
Month/Year – MARCH 1992

Permit Requirement		O&G		PHENOLS		pH
Unit of Measurement		XXXX

Table No. 2–3 **FACIILITY DISCHARGE MONITORING RECORD**

KMCC–FPD Facility – Columbus, MS
Month/Year – FEBRUARY 1992 (Page 1 of 1)

		O&G		PHENOLS		pH
Permit Requirement						
Unit of Measurement		XXXX

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - JANUARY 1992

FACILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

		BOD		O&G		PHENOLS		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXX

File- Lowmacs

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME [illegible]

ADDRESS [illegible]

[illegible]

COLUMBUS [illegible]

FACILITY

LOCATION

ATTN: G. R. [illegible]

RECEIVED DEQ-OPC APR 1993

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
[illegible]	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MINOR
(SUBR NO) NY
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

1992

MONITORING PERIOD						
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	12	01		92	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE 1 1 ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.1	******	******	(12)		2/7	GRAB
1 0 0	PERMIT REQUIREMENT	******	******	*** ****	[illegible]	******	******	SU			
GREASE (FREON	SAMPLE MEASUREMENT	******	******	( )	******	7.4	10.0	(19)		2/7	GRAB
IR METH)TOT,RC	PERMIT REQUIREMENT	******	******	*** ****	******	[illegible]	[illegible]	MG/L			
PHENOLS	SAMPLE MEASUREMENT	******	17.3	(26)	******	******	******	( )		1/7	GRAB
46000 1 0 0	PERMIT REQUIREMENT	******	42.8 DAILY MX	LBS/DY	******	******	******	*** ****			
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	.022	.030	(03)	******	******	******	( )		7/7	GRAB
THRU TREATMENT PLANT	PERMIT REQUIREMENT	[illegible] DAILY AV	[illegible] DAILY MX	MGD	******	******	******	*** ****			
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
John Geiz - Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	[signature]	601	328 7551	93	01	07
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

EPA Form 3320-1 (Rev. 9-88) *Previous editions may be used.* (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

00539/920128-1922

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P O BOX 906

P. O. BOX 906

COLUMBUS MS 38701

FACILITY

LOCATION

ATTN: G. R. HARROD

Lowndes

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MINOR

(SUBR NO) NYS

F - FINAL

PRETREATED PROCESS WW & BOILER

Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	12	01		92	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.1	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	7.4	10.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	17.3	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** ****	****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** ****	****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John Getz - Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 93 | MO 01 | DAY 07

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NOT
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
NYS OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
92	11	01	92	11	30

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.9	******	******	(12)			
00400 1 0 0	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	******	8.0	9.0	(19)			
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
00560 1 0 0	SAMPLE MEASUREMENT	******	20.5	(26)	******	******	******	( )			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
PHENOLS	SAMPLE MEASUREMENT	.021	.032	(03)	******	******	******	( )			
46000 1 0 0	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT										
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John J. Getz - Plt. Mgr.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

John J. Getz

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 92 | MO 12 | DAY 09

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 92 (20-21) MO 10 (22-23) DAY 01 (24-25)
TO YEAR 92 (26-27) MO 10 (28-29) DAY 31 (30-31)

MINOR
(UBR NO)
F- FINAL
PETREATED PROCESS WW & BOILER

Form Approved.
NYS OMB No. 2040-0004.
Approval expires 6-30-91.

** NO DISCHARGE |__| ***
OTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.4	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
& GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	7.43	9.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	2.94	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.016	.035	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz - Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551
DATE: YEAR 92 MO 11 DAY 06

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION Lowndes
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO) NYS
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	09	01	TO	92	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE 1 1 ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.6	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	8.0	9.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	1.98	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.017	.050	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz-Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

John J. Getz
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 92 MO 10 DAY 05

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR MO) NY
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
92	08	01	92	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.5	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******	( )	******	8.0	11.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	0.20	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.3 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.005	.024	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John Getz - Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 92 MO 09 DAY 04

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MONITORING PERIOD
FROM YEAR 92 (20-21) MO 07 (22-23) DAY 01 (24-25) TO YEAR 92 (26-27) MO 07 (28-29) DAY 31 (30-31)

MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

*** NO DISCHARGE [ ] ***

Form Approved.
NY SDMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	6.5	******	******	(12)			
	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	******	8.5	12.0	(19)			
	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.42	(26)	******	******	******	( )			
	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.005	.014	(03)	******	******	******	( )			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz-Plant Mgr.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 92 MO 08 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16)

MSP090021 — PERMIT NUMBER
001 A — DISCHARGE NUMBER (17-19)

MINOR
(SUBR NO) NYS
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	06	01		92	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.6	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******	( )	******	9.0	12.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	2.8	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** ****	****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.004	.015	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** ****	****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

John Getz - Plant Mgr
TYPED OR PRINTED

John Getz
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 92 | MO 07 | DAY 07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: ~~G. R. HARROD~~ J. J. Getz

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	05	01	TO	92	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

*** NO DISCHARGE | | ***

Form Approved.
NY SDMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.4	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******	( )	******	13	22	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	3.0	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.003	.005	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 92 MO 06 DAY 09

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION Lowndes
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
NYS DMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	04	01	TO	92	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.7	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
& GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******	( )	******	9.0	13.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	2.43	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.005	.014	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
JOHN GETZ, MANAGER
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

John Getz
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 92 MO 05 DAY 06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION Lowndes
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO) F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
NYS OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	03	01	TO	92	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.5	******	******	(12)			
00400 1 0 0	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	******	9.0	14.0	(19)			
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
00560 1 0 0	SAMPLE MEASUREMENT	******	3.07	(26)	******	******	******	( )			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
PHENOLS	SAMPLE MEASUREMENT	.005	.009	(03)	******	******	******	( )			
46000 1 0 0	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT										
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John Getz / Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

John Getz
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551
DATE: YEAR 92 | MO 04 | DAY 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: MSP090021
(17-19) DISCHARGE NUMBER: 001 A

MINOR
(SUBR NO) NY
F - FINAL
PRETREATED PROCESS WW & BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	02	01	TO	92	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	5.1	******	******	(12)		2/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	( )	******	8.4	12.0	(19)		2/7	GRAB
	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	3.1	(26)	******	******	******	( )		1/7	GRAB
	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.007	.012	(03)	******	******	******	( )			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: John J. Getz

TELEPHONE: AREA CODE 601 | NUMBER 328 7551

DATE: YEAR 92 | MO 03 | DAY 05

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P O BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

RECEIVED FEB 1992 DEC-OPC

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved. NY SDMB No. 2040-0004. Approval expires 6-30-91.

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER
MINOR
(SUBR NO)
F - FINAL
PRETREATED PROCESS WW & BOILER

MONITORING PERIOD
FROM YEAR 92 (20-21) MO 01 (22-23) DAY 01 (24-25)
TO YEAR 92 (26-27) MO 01 (28-29) DAY 31 (30-31)

*** NO DISCHARGE | | ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	( )	6.2	******	******	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******	( )	******	8.0	13.0	(19)			
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	2.8	(26)	******	******	******	( )			
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.011	.033	(03)	******	******	******	( )			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328 7551
DATE: YEAR 92 MO 02 DAY 24

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Table No. 2-3

KMCC-FPD Facility - Columbus, MS

Month/Year - DECEMBER 1991

FACILITY DISCHARGE MONITORING RECORD

(Page 1 of 1)

		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	4,500						0.00				
2	9,500						0.00				
3	9,000			13.00			0.00			6.50	
4	5,500						0.00				
5	5,000						0.00				
6	5,500			12.00		32.42	1.49			7.30	
7	5,000						0.00				
8	6,000						0.00				
9	5,000						0.00				
10	4,000			12.00			0.00			6.60	
11	6,000						0.00				
12	3,500						0.00				
13	2,500			13.00		43.43	0.91			6.70	
14	5,000						0.00				
15	5,500						0.00				
16	4,500						0.00				
17	11,500			8.00			0.00			6.50	
18	5,000						0.00				
19	4,000						0.00				
20	5,500			12.00		46.18	2.12			7.20	
21	6,500						0.00				
22	6,500						0.00				
23	2,500			13.00			0.00			6.90	
24	3,000						0.00				
25	2,500						0.00				
26	3,000						0.00				
27	3,000			14.00		35.03	0.88			6.70	
28	5,000						0.00				
29	4,000						0.00				
30	3,500			11.00			0.00			7.00	
31	6,500	0					0.00	0.00			0.00
Avg.	5,050	0		12.00		31.41	1.08	0		6.82	0.00
Max.	11,500	0		14.00		46.18	2.12	0.00		7.30	0.00
Min.	2,500	0		0.00		0.00		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - NOVEMBER-1991

FACIILITY DISCHARGE MONITORING RECORD

	BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement										
Unit of Measurement	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	5,000			5.00		76.48	3.19			6.40	
2	4,500						0.00				
3	6,000						0.00				
4	5,000						0.00				
5	5,500			16.00			0.00			6.20	
6	4,000						0.00				
7	5,000						0.00				
8	4,500			14.00		49.93	1.87			6.40	
9	2,000						0.00				
10	3,500						0.00				
11	2,500						0.00				
12	11,500			12.00			0.00			5.90	
13	8,500						0.00				
14	4,500						0.00				
15	2,000			12.00		39.76	0.66			6.90	
16	3,000						0.00				
17	3,000						0.00				
18	4,000						0.00				
19	5,500			18.00			0.00			7.20	
20	12,500						0.00				
21	9,000						0.00				
22	5,000			13.00		48.79	2.03			7.20	
23	3,500						0.00				
24	3,500						0.00				
25	9,500						0.00				
26	6,500			12.00			0.00			7.10	
27	4,200			9.00		42.40	1.49			7.30	
28	4,200						0.00				
29	4,200						0.00				
30	4,200						0.00				
31		0					0.00	0.00			0.00
Avg.	5,193	0		12.33		51.47	1.85	0		6.73	0.00
Max.	12,500	0		18.00		76.48	3.19	0.00		7.30	0.00
Min.	2,000	0		5.00		39.76		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - OCTOBER-1991

FACIILITY DISCHARGE MONITORING RECORD

	BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement										
Unit of Measurement	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	6,000			9.00			0.00			6.70	
2	6,500						0.00				
3	6,000						0.00				
4	9,000			9.00		78.59	5.90			6.60	
5	9,000						0.00				
6	3,500						0.00				
7	3,500						0.00				
8	5,000			8.00			0.00			6.70	
9	3,000						0.00				
10	3,000						0.00				
11	4,000			15.00		116.99	3.90			5.30	
12	4,000						0.00				
13	2,000						0.00				
14	5,000						0.00				
15	4,500			11.00			0.00			5.60	
16	5,500						0.00				
17	3,000						0.00				
18	5,000			13.00		102.89	4.29			5.40	
19	3,000						0.00				
20	3,000						0.00				
21	5,000						0.00				
22	6,500			15.00			0.00			6.40	
23	6,500						0.00				
24	20,000						0.00				
25	5,000			13.00		25.71	1.07			6.90	
26	4,000						0.00				
27	4,000						0.00				
28	4,500						0.00				
29	5,500			5.00			0.00				
30	6,000						0.00			6.70	
31	500	0					0.00	0.00			0.00
Avg.	5,177	0		10.89		81.05	3.79	0		6.26	0.00
Max.	20,000	0		15.00		116.99	5.90	0.00		6.90	0.00
Min.	500	0		5.00		25.71		0.00			

Table No. 2-3

KMCC-FPD Facility - Columbus, MS

Month/Year - SEPTEMBER, 1991

FACIILITY DISCHARGE MONITORING RECORD

(Page 1 of 1)

Permit Requirement		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Unit of Measurement		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	7,000						0.00				
2	13,500						0.00				
3	5,500			15.00			0.00			5.60	
4	7,000						0.00				
5	4,000						0.00				
6	7,000			8.00		145.07	8.47			6.20	
7	7,000						0.00				
8	7,000						0.00				
9	8,000						0.00				
10	7,500			7.00			0.00			7.00	
11	4,500						0.00				
12	3,500						0.00				
13	5,000			7.00		153.88	6.42			5.90	
14	3,500						0.00				
15	3,500						0.00				
16	7,500						0.00				
17	4,000			12.00			0.00			5.90	
18	4,500						0.00				
19	4,000						0.00				
20	5,000			11.00		156.81	6.54			5.60	
21	6,250						0.00				
22	6,250						0.00				
23	6,000						0.00				
24	8,000			17.00			0.00			5.50	
25	7,500						0.00				
26	12,500						0.00				
27	1,500			11.00		66.01	0.83			6.20	
28	1,250						0.00				
29	1,250						0.00				
30	4,000						0.00				
31		0					0.00	0.00			0.00
Avg.	5,767	0		11.00		130.44	5.56	0		5.99	0.00
Max.	13,500	0		17.00		156.81	8.47	0.00		7.00	0.00
Min.	1,250	0		7.00		66.01		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - AUGUST, 1991

FACIILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

Permit Requirement		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Unit of Measurement		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
DATE	FLOW	mg/l	lbs.	mg/l	lbs.	mg/l	lbs.	mg/l	lbs.	SU	SU
1	6,500						0.00				
2	8,500			15.00		44.46	3.15			9.20	
3	7,500						0.00				
4	7,500						0.00				
5	15,000						0.00				
6	11,500			9.00			0.00			6.20	
7	11,000						0.00				
8	7,500						0.00				
9	10,000			5.00		67.98	5.67			7.00	
10	10,000						0.00				
11	10,000						0.00				
12	16,000						0.00				
13	8,000			5.00			0.00			6.30	
14	6,250						0.00				
15	9,750						0.00				
16	9,000			5.00		146.27	10.98			6.70	
17	8,250						0.00				
18	8,250						0.00				
19	10,500						0.00				
20	8,000			7.00			0.00			6.60	
21	6,000						0.00				
22	7,500						0.00				
23	7,500			16.00		164.17	10.27			5.70	
24	13,250						0.00				
25	13,250						0.00				
26	4,000						0.00				
27	12,500			8.00			0.00			6.90	
28	6,000						0.00				
29	6,000			16.00		96.20	4.81			6.90	
30	5,000						0.00				
31	5,000	0					0.00	0.00			0.00
Avg.	8,710	0		9.56		103.82	6.98	0		6.83	0.00
Max.	16,000	0		16.00		164.17	10.98	0.00		9.20	0.00
Min.	4,000	0		5.00		44.46		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - JULY, 1991

FACIILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	6,500						0.00				
2	8,000			10			0.00			5.10	
3	4,865						0.00				
4	4,865						0.00				
5	4,500			6.00		20.42	0.77			9.20	
6	4,250						0.00				
7	5,360						0.00				
8	6,500						0.00				
9	6,500			11.00			0.00			5.00	
10	2,000						0.00				
11	9,000						0.00				
12	8,500			14.00		409.60	29.04			5.20	
13	5,750						0.00				
14	5,750						0.00				
15	7,500						0.00				
16	6,000			9.00			0.00			8.00	
17	12,500						0.00				
18	10,000						0.00				
19	6,500			5.00		227.53	12.33			6.50	
20	7,500						0.00				
21	7,500						0.00				
22	7,500						0.00				
23	4,500			10.00			0.00			6.80	
24	11,500						0.00				
25	5,000						0.00				
26	5,000			51.00		338.46	14.11			6.70	
27	2,250						0.00				
28	2,250						0.00				
29	4,000			10.00			0.00			6.70	
30	4,500						0.00				
31	7,000	0					0.00	0.00			0.00
Avg.	6,011	0		14.00		249.00	14.06	0		6.58	0.00
Max.	12,500	0		51.00		409.60	29.04	0.00		9.20	0.00
Min.	2,000	0		5.00		20.42		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - JUNE, 1991

FACIILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	7,167						0.00				
2	7,167						0.00				
3	6,000						0.00				
4	8,000			14.00			0.00			9.10	
5	9,500						0.00				
6	5,500						0.00				
7	5,333			19.00		157.39	7.00			5.60	
8	5,333						0.00				
9	5,333						0.00				
10	7,500						0.00				
11	13,000			15.00			0.00			5.70	
12	9,000						0.00				
13	9,500						0.00				
14	9,000			16.00		150.95	11.33			5.80	
15	8,000						0.00				
16	8,000						0.00				
17	9,000						0.00				
18	4,500			12.00			0.00			5.70	
19	10,000						0.00				
20	3,500						0.00				
21	8,500			17.00		151.96	10.77			5.70	
22	6,500						0.00				
23	14,500						0.00				
24	7,000						0.00				
25	8,500			13.00			0.00			6.00	
26	5,500						0.00				
27	4,500						0.00				
28	7,500			10.00		176.40	11.03			5.00	
29	5,750						0.00				
30	5,750						0.00				
31		0					0.00	0.00			0.00
Avg.	7,478	0		14.50		159.18	10.03	0		6.08	0.00
Max.	14,500	0		19.00		176.40	11.33	0.00		9.10	0.00
Min.	3,500	0		10.00		150.95		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - MAY, 1991

FACIILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	12,000						0.00				
2	28,500						0.00				
3	27,000			12.00		53.95	12.15			6.40	
4	50,750						0.00				
5	50,750						0.00				
6	57,000						0.00				
7	49,500			9.00			0.00			6.50	
8	112,500						0.00				
9	39,500						0.00				
10	30,500			9.00		43.96	11.18			6.90	
11	28,750						0.00				
12	28,750						0.00				
13	40,500						0.00				
14	11,500			24.00			0.00			6.50	
15	9,500						0.00				
16	10,500						0.00				
17	18,500			23.00		52.79	8.14			7.40	
18	11,250						0.00				
19	11,250						0.00				
20	8,500						0.00				
21	7,000			59.00			0.00			6.30	
22	8,000						0.00				
23	8,500						0.00				
24	7,375			20.00		202.29	12.44			7.00	
25	7,375						0.00				
26	7,375						0.00				
27	7,375						0.00				
28	7,500			20.00			0.00			5.70	
29	10,500						0.00				
30	12,000						0.00				
31	7,167	0		19.00		106.80	6.38	0.00		8.50	0.00
Avg.	23,226	0		21.67		91.96	10.06	0		6.80	0.00
Max.	112,500	0		59.00		202.29	12.44	0.00		8.50	0.00
Min.	7,000	0		9.00		43.96		0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - April 1991

FACIILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	17,200						0.00				
2	15,800			12.00			0.00				6.60
3	14,000						0.00				
4	6,800						0.00				
5	7,100			16.00		90.87	5.38				6.90
6	7,100						0.00				
7	7,100						0.00				
8	9,000						0.00				
9	6,900			10.00			0.00				9.80
10	14,500						0.00				
11	18,000						0.00				
12	32,000			10.00		104.41	27.86				7.40
13	83,250						0.00				
14	83,250						0.00				
15	26,850						0.00				
16	14,650			19.00			0.00				9.40
17	9,000						0.00				
18	13,500						0.00				
19	5,500			10.00		160.24	7.35				6.00
20	6,000						0.00				
21	6,000						0.00				
22	6,500						0.00				
23	6,500			9.00			0.00				7.10
24	5,500						0.00				
25	8,500						0.00				
26	10,500			8.00		298.09	26.10				5.60
27	47,500						0.00				
28	47,500						0.00				
29	85,500						0.00				
30	62,500			8.00			0.00				6.00
31	0	0					0.00	0.00			
Avg.	22,800	0		11.33		163.40	16.67	0			16.20
Max.	85,500	0		19.00		298.09	27.86	0.00			9.80
Min.	0	0		8.00		90.87	5.38	0.00			

Table No. 2-3
KMCC-FPD Facility - Columbus, MS
Month/Year - March 1991

FACIILITY DISCHARGE MONITORING RECORD
(Page 1 of 1)

		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Permit Requirement											
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	6350			9.00		4.91	0.26				11.60
2	2475						0.00				
3	2475						0.00				
4	7000						0.00				
5	4000			14.00			0.00				8.30
6	8500						0.00				
7	14100						0.00				
8	10400			7.00		5.49	0.48				11.70
9	6500						0.00				
10	6500						0.00				
11	8000						0.00				
12	8550			6.00		47.46	3.38				11.10
13	8950						0.00				
14	7500						0.00				
15	7100			8.00		155.23	9.19				7.00
16	5975						0.00				
17	5975						0.00				
18	18050						0.00				
19	10900			10.00			0.00				6.80
20	4950						0.00				
21	6150						0.00				
22	11400			7.00		102.31	9.73				10.40
23	9000						0.00				
24	9000						0.00				
25	3000						0.00				
26	13500			< 5.00			0.00				6.30
27	16750						0.00				
28	29063						0.00				
29	29063			< 5.00		184.00	44.60				6.50
30	29063	0					0.00				
31	29063						0.00	0.00			
Avg.	9,004	0		8		83	22.55	0			
Max.	29,063	0		14.00		184.00	44.60	0.00			
Min.	2,475	0		5.00		4.91		0.00			

Table No. 2-3

KMCC-FPD Facility - Columbus, MS

Month/Year - January 1991

FACILITY DISCHARGE MONITORING RECORD

(Page 1 of 1)

Permit Requirement		BOD		O&G		Phenols		TSS		pH (Max)	pH (Min)
Unit of Measurement		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
DATE	FLOW	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	mg/1	lbs.	SU	SU
1	1250										
2	1250			51.00			0.00				
3	6500	240		66.00		96.85	5.25				
4	3125			45.00		58.32	1.52	150.00			
5	3125					122.54	3.19				
6	3125						0.00				
7	3125	510		45.00		156.80	4.09	120.00			
8	51500						0.00				
9	43500			52.00		85.42	30.99				
10	88500						0.00				
11	46500			43.00		95.03	36.85				
12	46500						0.00				
13	46500						0.00				
14	46500			68.00		152.95	59.32				
15	72500						0.00				
16	51500	530		71.00		76.85	33.01	160.00			
17	54500						0.00				
18	56550						0.00				
19	37725			57.00		68.69	21.61				
20	37725						0.00				
21	40000			16.00		149.62	49.91			7.00	
22	52250						0.00				
23	52250						0.00				
24	39450						0.00				
25	36500			39.00			0.00			6.90	
26	24500						0.00				
27	24500						0.00				
28	30500			85.00		130.46	33.19			6.90	
29	34600						0.00				
30	17000						0.00				
31	10300						0.00				
Avg.	34,302	427		53		109	25.36	143			
Max.	88,500	530		85.00		156.80	59.32	160.00			
Min.	1,250	240		16.00		58.32		120.00			

NAME/ADDRESS (Include Location if different)
KERR-MCGEE (COLUMBUS)
P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 39701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MSP090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
PRETREATED PROCESS WASTEWATER
MINOR (SUBR NC) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

1991

NOTE: Read instructions before completing this form.

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
91	12	01	91	12	31

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		6.5	******	******				
	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		WICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, IRC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	12.0	14.0				
	PERMIT REQUIREMENT	******	******	**** ****	******	20 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	2.12		******	******	******				
	PERMIT REQUIREMENT	******	46.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.005	.012		******	******	******				
	PERMIT REQUIREMENT	REPORT DAILY AV.	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
John Getz - Mgr.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	John Getz	601	328-7557	92	1	10
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
MSP090021	001 A

F - FINAL
PRETREATED PROCESS WW, BOILER
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
~~91~~	~~11~~	~~01~~	~~91~~	~~11~~	~~30~~

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		5.9	*******	*******				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	5.0 MINIMUM	*******	*******	SU		ONCE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******		******	12	18				
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	*******	30 DAILY AV	100 DAILY MX	MG/L		ONCE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******	3.2		*******	*******	*******				
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.9 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.005	.013		******	*******	*******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

John J. Getz
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551
DATE: YEAR 91 MO 12 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MS P090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	10	01	TO	91	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

F - FINAL
PRETREATED PROCESS WASTEWATER
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		5.3	******	******				
	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		ONCE/GRAB WEEK	
& GREASE (FREON EXTR.-IR METH) TOT, RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	11.0	15.0				
	PERMIT REQUIREMENT	******	****** **** ****		******	50 DAILY AV	100 DAILY MX	MG/L		ONCE/GRAB WEEK	
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	5.9		******	******	******				
	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	****** **** ****			WEEKLY GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.005	.020		******	******	******				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****			DAILY CONTIN	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
JOHN J. GETZ	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	John J. Getz	601	328-7551	91	11	08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
MSP090021	001 A

F - FINAL
PRETREATED PROCESS WATER & BOILER
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	09	01	TO	91	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		5.5	*******	*******				
	PERMIT REQUIREMENT	*******	*******	**** ****	5.0 MINIMUM	*******	*******	SU		WICE/WEEK	GRAB
O[illegible] & GREASE (FREON EXTR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	11.0	17.0				
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	30 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	8.47		*******	*******	*******				
	PERMIT REQUIREMENT	*******	48.8 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.006	.014		*******	*******	*******				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
[illegible]	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
John J. Getz	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	[signature]	601	328-7551	91	10	14
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701

FACILITY

LOCATION

ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MSP090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
PRETREATED PROCESS WASTE BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	08	01	TO	91	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR (SUBR NO) NYS

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		5.7	******	******				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
O[illegible] & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******		******	9.56	16.0				
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	10.98		******	******	******				
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.008	.016		******	******	******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John J. Getz

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

John J. Getz

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
601	328-7551	91	09	05
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MSP090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
PRETREATED PROCESS & BOILER
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	07	01	TO	91	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*******	*******		5.0	*******	*******				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	5.0 MINIMUM	*******	*******	SU		WICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	*******	*******		*******	14.0	51.0				
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	*******	30 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	*******	29.0		*******	*******	*******				
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	46.8 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.006	.013		*******	*******	*******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C § 1001 AND 33 U.S.C § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 | NUMBER 328-7551

DATE: YEAR 91 | MO 08 | DAY 07

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)

MSP090021 — PERMIT NUMBER
001 A — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 91 MO 06 DAY 01 (20-21) (22-23) (24-25) TO YEAR 91 MO 06 DAY 30 (26-27) (28-29) (30-31)

F - FINAL
PRETREATED PROCESS WASTEWATER
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING AVERAGE (46-53)	QUANTITY OR LOADING MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM (38-45)	QUALITY OR CONCENTRATION AVERAGE (46-53)	QUALITY OR CONCENTRATION MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		5.0	******	******				
	PERMIT REQUIREMENT	******	****** **** ****		5.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	14.5	19.0				
	PERMIT REQUIREMENT	******	****** **** ****		******	30 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	11.3		******	******	******				
	PERMIT REQUIREMENT	******	42.8 DAILY MX	LBS/DY	******	******	****** **** ****	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.008	.015		******	******	******				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	****** **** ****	**** ****		DAILY CONTIN	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

John J. Getz
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551
DATE: YEAR 91 MO 07 DAY 05

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME KERR-MCGEE (COLUMBUS)

ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701

FACILITY

LOCATION

ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
MSP090021	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
PRETREATED PR[illegible] BOILER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	06	01	TO	91	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR (SUBR NO) NYS

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		5.0	******	******				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	5.0 MINIMUM	******	******	SU		WICE/WEEK	GRAB
[illegible]S GREASE (FREON [illegible].-IR METH)TOT,RC	SAMPLE MEASUREMENT	******	******		******	14.5	19.0				
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	50 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	11.3		******	******	******				
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	*** ****		[illegible]	[illegible]
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.008	.015		******	******	******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	*** ****		DAILY	CONTINUOUS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John J. Getz

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

John J. Getz

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
601	328-7551	91	07	05
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
MSP090021	001 A

F - FINAL
PRETREATED PROCESS WW & BOILER
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
91	05	01	91	05	31

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		5.70	*******	*******				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	5.0 MINIMUM	*******	*******	SU		WICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******		******	21.67	59.0				
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	*******	15 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	12.44		*******	*******	*******				
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	48.2 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.023	.112		******	******	******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

JOHN J. GETZ

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
601	328-7551	91	06	13

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER
F - FINAL
PRETREATED PROCESS WASTEWATER
Form Approved. OMB No. 2040-0004. Approval expires 6-30-91.
NS
MINOR (SUBR NO) NYS
NOTE: Read instructions before completing this form.

MONITORING PERIOD
FROM YEAR (20-21) 91 MO (22-23) 04 DAY (24-25) 01
TO YEAR (26-27) 91 MO (28-29) 04 DAY (30-31) 30

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		5.6	******	******				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******		******	11.3	19.0				
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	30 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS	SAMPLE MEASUREMENT	******	27.9		******	******	******				
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	46.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.023	.086		******	******	******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
JOHN J. GETZ
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 91 MO 05 DAY 06

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) MSP090021 PERMIT NUMBER
(17-19) 001 A DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 91 MO 03 DAY 01 (20-21) (22-23) (24-25)
TO YEAR 91 MO 03 DAY 31 (26-27) (28-29) (30-31)

F - FINAL
PRETREATED PRODUCTION BOILER
NB
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		6.3	*******	*******				
	PERMIT REQUIREMENT	*******	******* **** ****		5.0 MINIMUM	*******	*******	SU		WICE/WEEK	GRAB
& GREASE (FREON EXTR.-IR METH) TOT, RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	8	14				
	PERMIT REQUIREMENT	*******	******* **** ****		*******	50 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	44.6		*******	*******	*******				
	PERMIT REQUIREMENT	******* V	49.8 DAILY MX	LBS/DY	*******	*******	******* **** ****			WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.009	.029		*******	*******	*******				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	******* **** ****			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
John J. Getz
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 NUMBER 328-7551

DATE: YEAR 91 MO 04 DAY 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

MSP090021 — PERMIT NUMBER
001 A — DISCHARGE NUMBER

F - FINAL
PRETREATED PROCESS WATER & BOILER
N.S.
MINOR (SUBR NO) NYS

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

NOTE: Read instructions before completing this form.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	02	01	TO	91	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		5.8	******	******				
	PERMIT REQUIREMENT	******	******	**** ****	5.0 MINIMUM	******	******	SU		WICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	18	53				
	PERMIT REQUIREMENT	******	******	**** ****	******	20 DAILY AV	100 DAILY MX	MG/L		WICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	6.65		******	******	******				
	PERMIT REQUIREMENT	******	48.8 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.019	.116		******	******	******				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
JOHN J. GETZ
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 601 — NUMBER 328-7551

DATE: YEAR 91 — MO 03 — DAY 13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME KERR-MCGEE (COLUMBUS)
ADDRESS P. O. BOX 906
P. O. BOX 906
COLUMBUS MS 38701
FACILITY
LOCATION
ATTN: G. R. HARROD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

MSP090021 — PERMIT NUMBER
001 A — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 91 MO 01 DAY 01 (20-21) (22-23) (24-25)
TO YEAR 91 MO 01 DAY 31 (26-27) (28-29) (30-31)

F - FINAL
PRETREATED PROCESS & BOILER
MINOR (SUBR NO) NYS
NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		6.90	*******	*******				
	PERMIT REQUIREMENT	*******	*******	***** *****	5.0 MINIMUM	*******	*******	SU		TWICE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	53.0	85.0				
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	50 DAILY AV	100 DAILY MX	MG/L		TWICE/WEEK	GRAB
PHENOLS 46000 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	59.32		*******	*******	*******				
	PERMIT REQUIREMENT	*******	48.0 DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.034	.089		*******	*******	*******				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
JOHN J. GETZ
TYPED OR PRINTED

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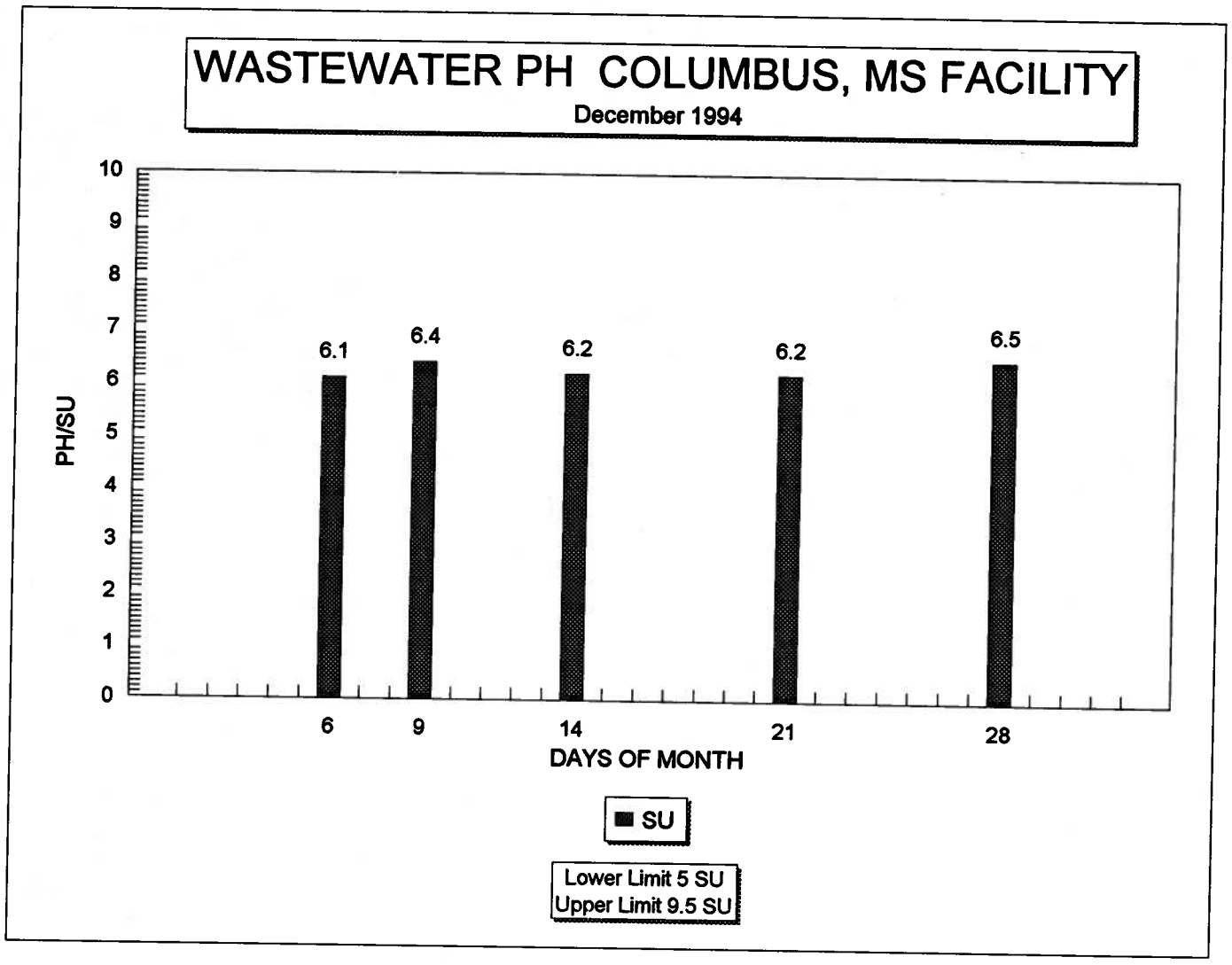
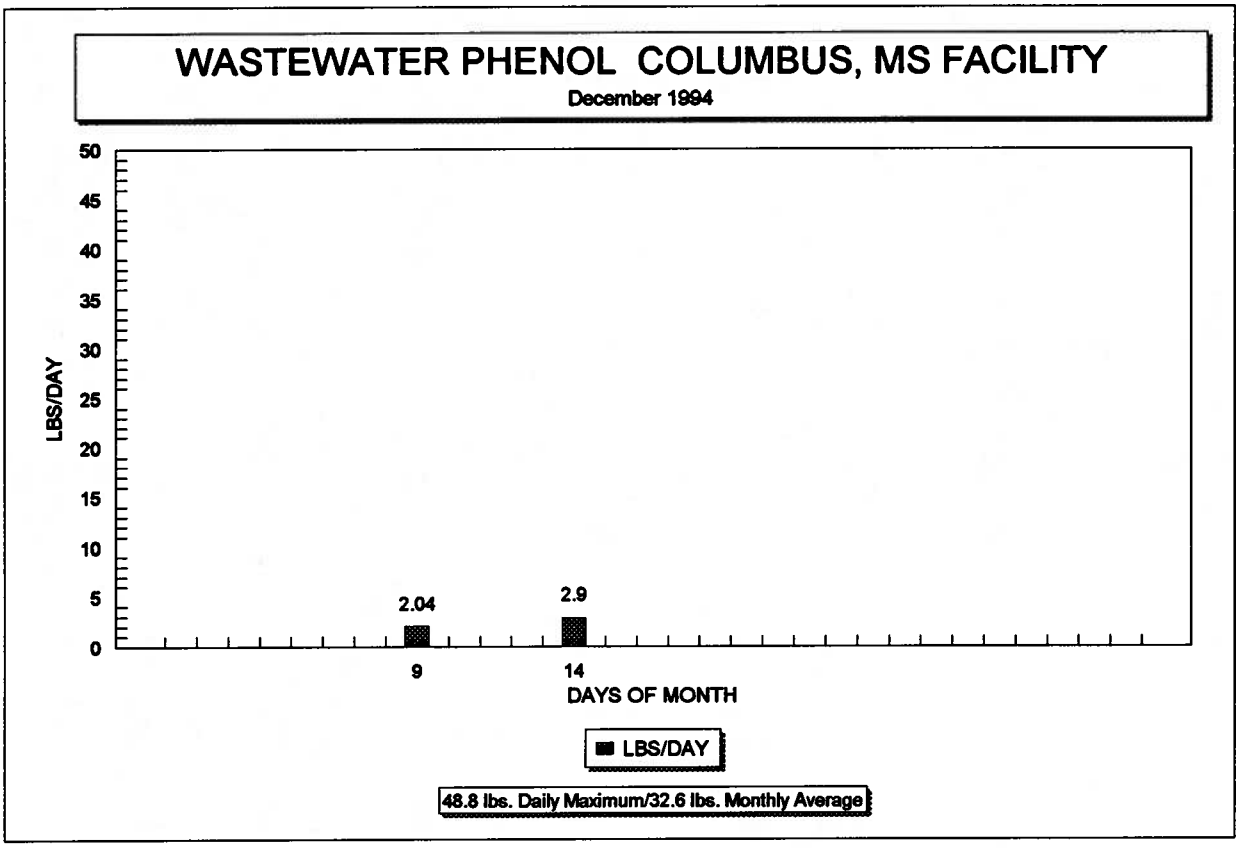
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

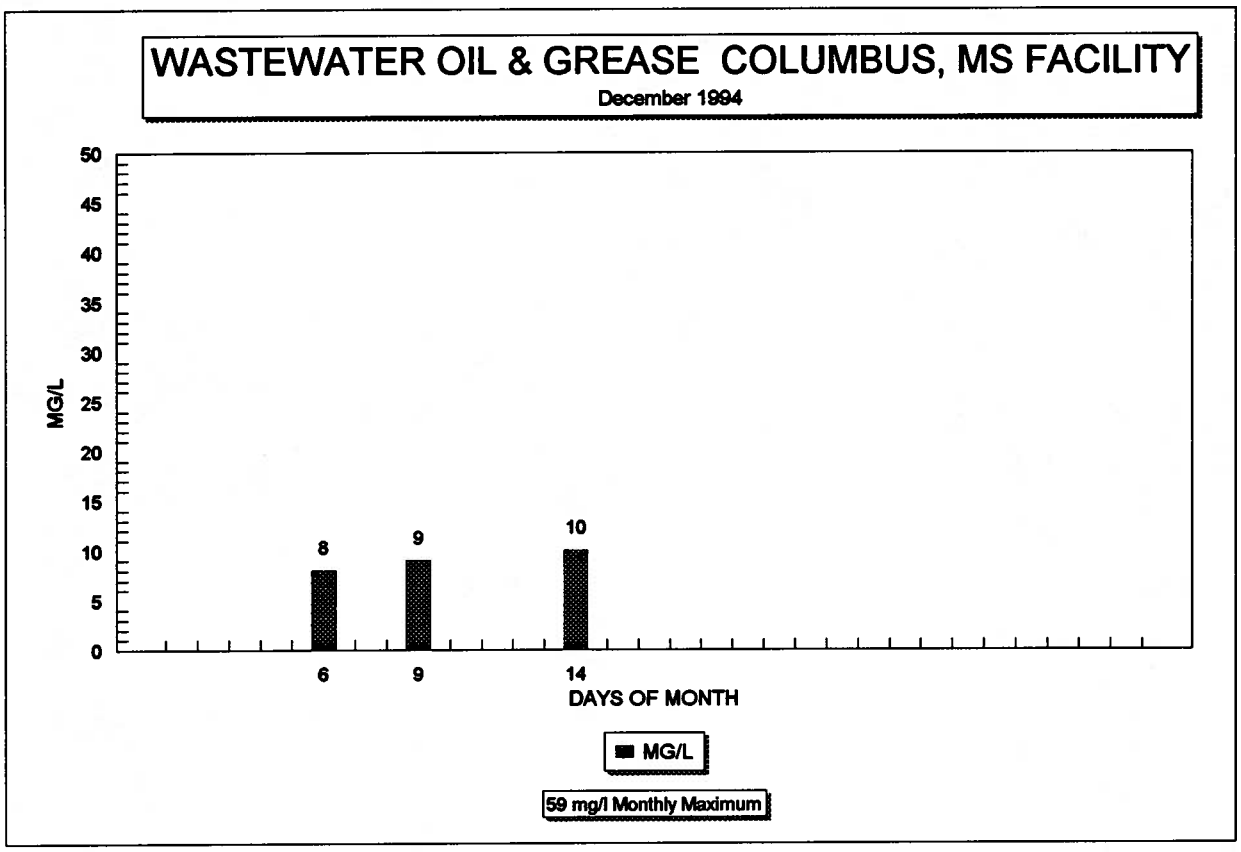
TELEPHONE: AREA CODE 601 | NUMBER 328-7551

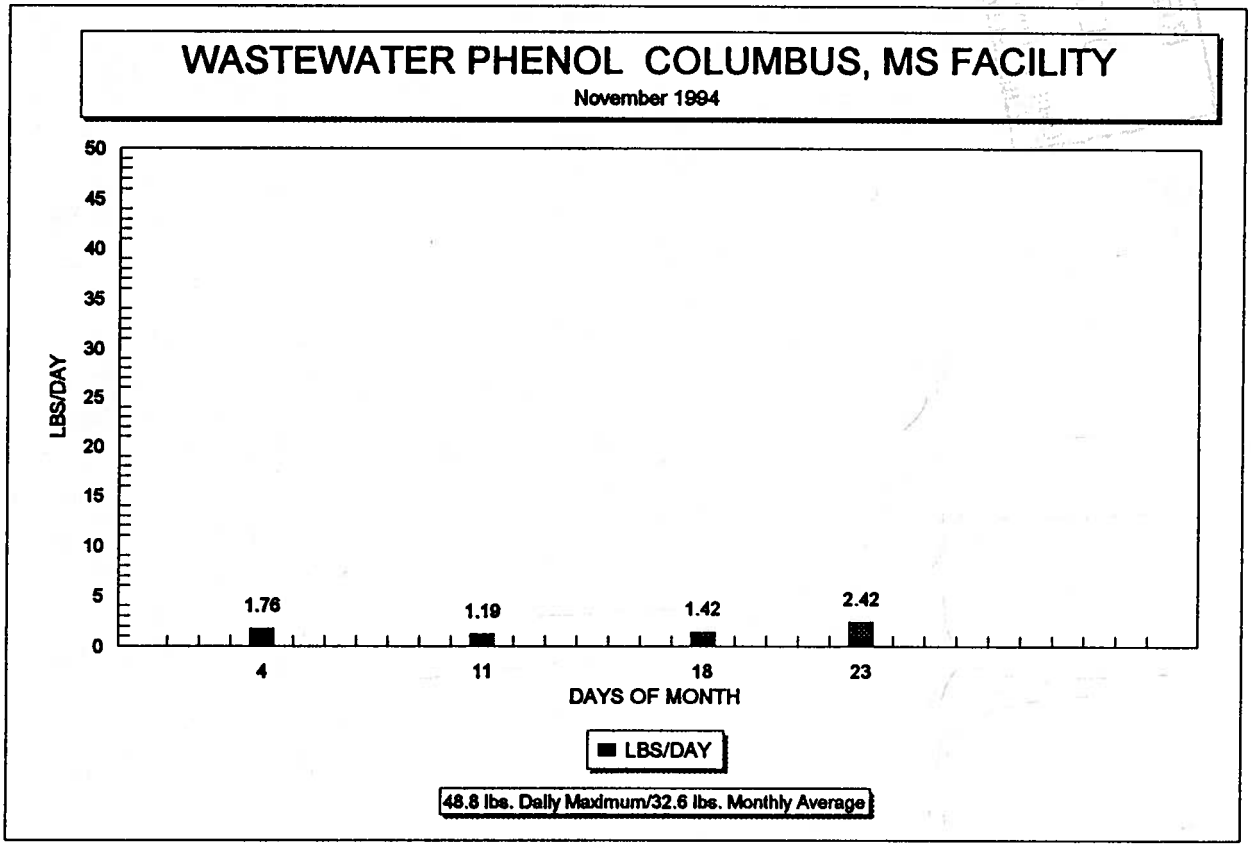
DATE: YEAR 91 | MO 02 | DAY 28

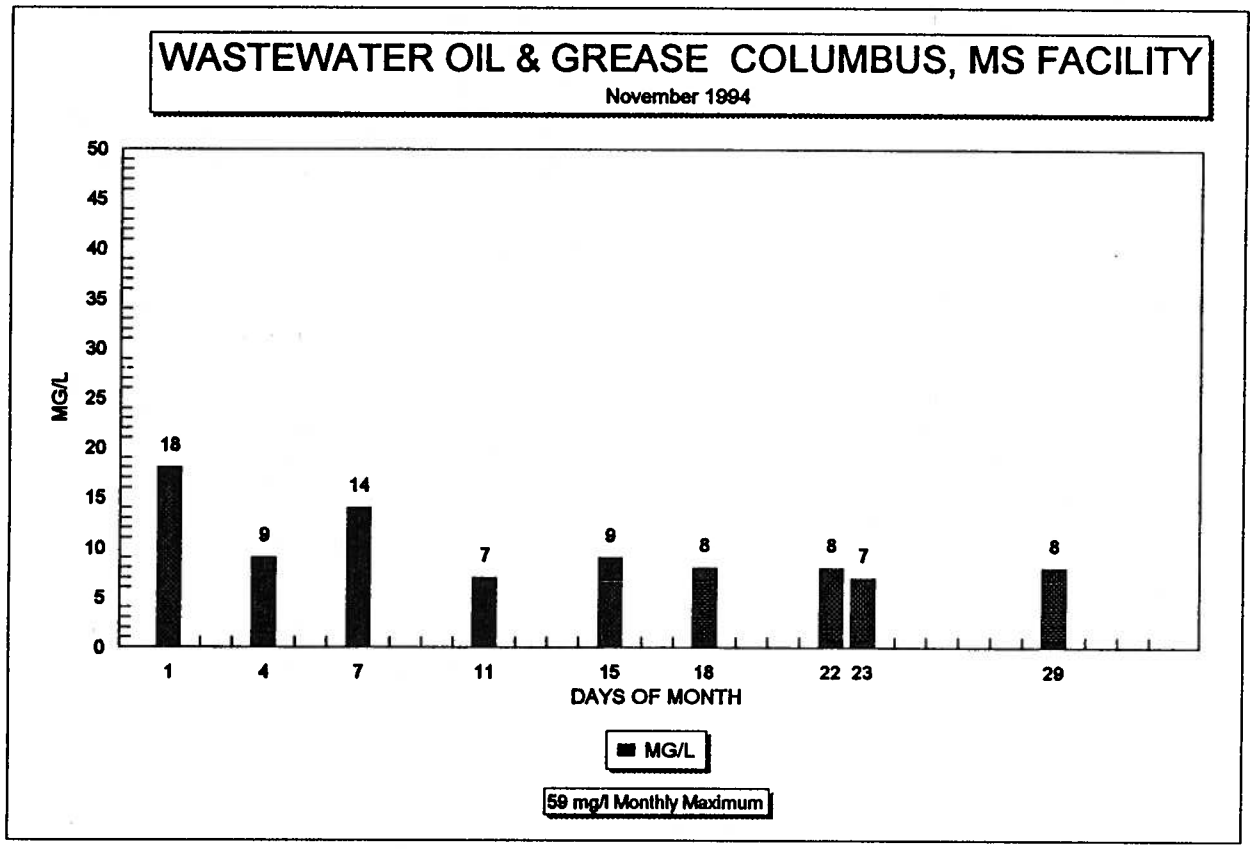
COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

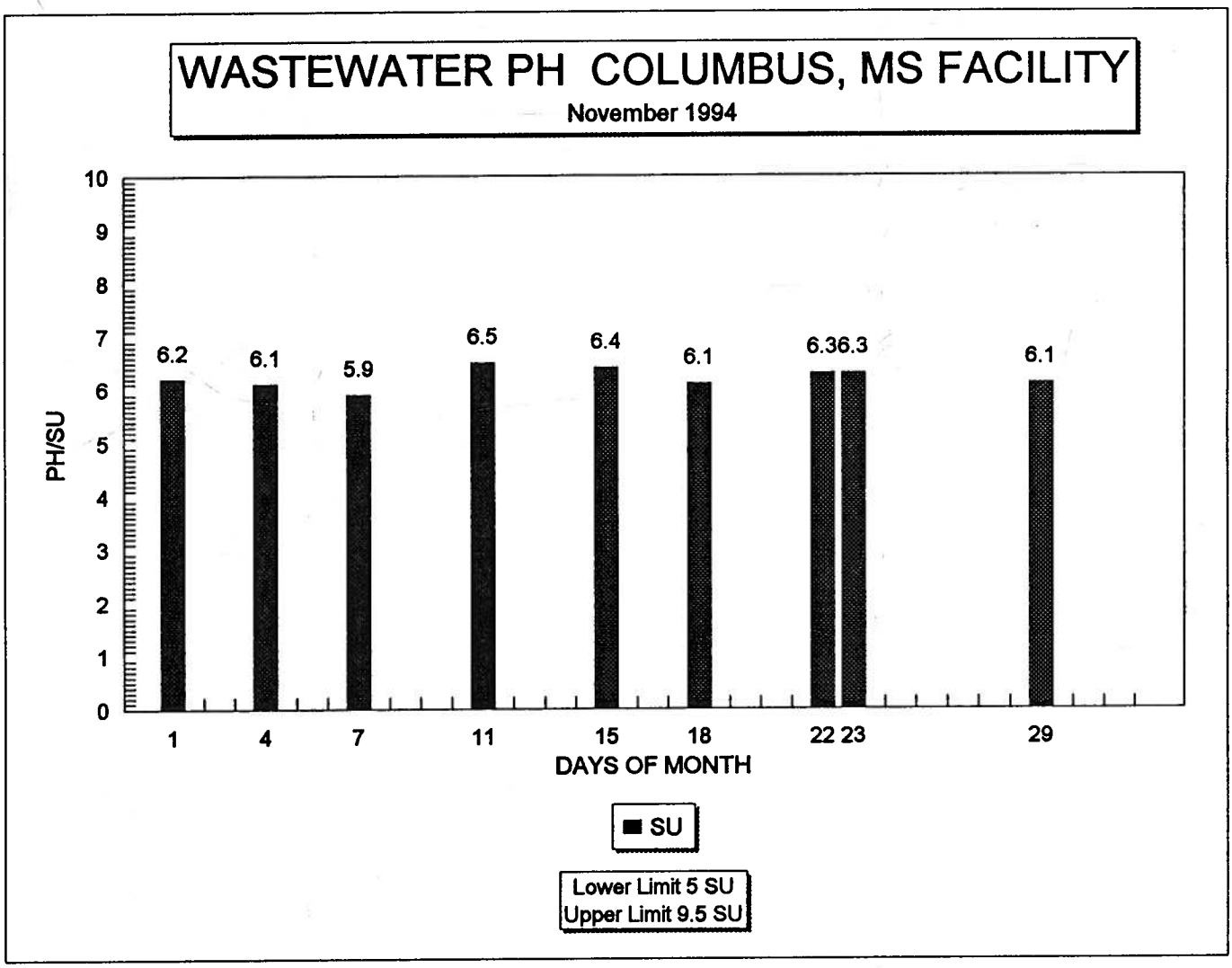

WASTEWATER PH COLUMBUS, MS FACILITY
December 1994
PH/SU
10
9
8
7
6
5
4
3
2
1
0
6.1
6.4
6.2
6.2
6.5
6
9
14
21
28
DAYS OF MONTH
SU
Lower Limit 5 SU
Upper Limit 9.5 SU


WASTEWATER PHENOL COLUMBUS, MS FACILITY
December 1994
LBS/DAY
50
45
40
35
30
25
20
15
10
5
0
2.04
2.9
9
14
DAYS OF MONTH
LBS/DAY
48.8 lbs. Daily Maximum/32.6 lbs. Monthly Average


WASTEWATER OIL & GREASE COLUMBUS, MS FACILITY
December 1994
MG/L
50
45
40
35
30
25
20
15
10
5
0
8
9
10
6
9
14
DAYS OF MONTH
MG/L
59 mg/l Monthly Maximum


WASTEWATER PHENOL COLUMBUS, MS FACILITY
November 1994
LBS/DAY
50
45
40
35
30
25
20
15
10
5
0
1.76
1.19
1.42
2.42
4
11
18
23
DAYS OF MONTH
LBS/DAY
48.8 lbs. Daily Maximum/32.6 lbs. Monthly Average


WASTEWATER OIL & GREASE COLUMBUS, MS FACILITY
November 1994
MG/L
50
45
40
35
30
25
20
15
10
5
0
18
9
14
7
9
8
8
7
8
1
4
7
11
15
18
22
23
29
DAYS OF MONTH
MG/L
59 mg/l Monthly Maximum


WASTEWATER PH COLUMBUS, MS FACILITY
November 1994
PH/SU
10
9
8
7
6
5
4
3
2
1
0
6.2
6.1
5.9
6.5
6.4
6.1
6.3
6.3
6.1
1
4
7
11
15
18
22
23
29
DAYS OF MONTH
SU
Lower Limit 5 SU
Upper Limit 9.5 SU

PUBLIC NOTICE

Mississippi Environmental Quality Permit Board
P. O. Box 10385
Jackson, MS 39209
Telephone No. (601) 961-5171

September 1, 1994

Kerr-McGee Chemical Corporation, 2300 17th Avenue and 20th Street North, Columbus, Mississippi 39701 has applied to the Mississippi Environmental Quality Permit Board for the reissuance of a Pre-treatment Permit to discharge pretreated process wastewater, boiler blowdown, and remediated groundwater into the Columbus Wastewater Treatment Plant. The applicant's operation is wood preserving. One discharge is described in the application.

The environmental impact of this project has been evaluated and the staff of the Permit Board believes that, with proper environmental constraints and limitations on the applicant, this project will operate within all State and Federal environmental laws and standards. Therefore, the staff of the Board has preliminarily decided, based on available information, to recommend to the Board that a permit be issued containing numerous environmental regulatory constraints specifically stated in the draft permit. However, before proceeding further with the staff evaluation, public comments are being solicited. The staff recommendation to the Board, as well as the Board decision, will be made only after a thorough consideration of all public comments.

Persons wishing to comment upon or object to the proposed determinations are invited to submit comments in writing to Mr. Earl Mahaffey at the Permit Board's address shown above, no later than September 30, 1994. All comments received by that date will be considered in the formulation of final determinations regarding the application. A public hearing will be held if the Permit Board finds a significant degree of public interest in the proposed permit.

Additional details about the application and the proposed determination, a sketch showing the location of the discharge, and a copy of the draft permit are available by writing or calling Mr. Milton Brumfield at the Permit Board's address and telephone number shown above. Also, this and other information is available for review and copying during normal business hours at the Southport Center Building located at 2380 Highway 80 West, Jackson, MS.

Please bring the foregoing to the attention of persons whom you know will be interested.

FILE COPY

PUBLIC NOTICE

Mississippi Environmental Quality Permit Board
P. O. Box 10385
Jackson, MS 39209
Telephone No. (601) 961-5171

September 1, 1994

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Please bring the foregoing to the attention of persons whom you know will be interested.

State of Mississippi
Water Pollution Control
PERMIT

TO OPERATE A WASTE DISPOSAL SYSTEM IN ACCORDANCE WITH NATIONAL AND STATE PRETREATMENT STANDARDS

THIS CERTIFIES THAT

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION
COLUMBUS, MISSISSIPPI

has been granted permission to discharge wastewater into

Columbus POTW (MS0023868)

in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act.

The issuance of this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

HEAD, OFFICE OF POLLUTION CONTROL
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: October 11, 1994

Expires: October 10, 1999

Permit No. MSP090021

PART I

A. PRETREATMENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning October 11, 1994, and lasting until October 10, 1999, the permittee is authorized to discharge from outfall(s) serial number(s) 001 (Pretreated Process Wastewater, Boiler Blowdown, and Remediated Groundwater).

   Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day (lbs/day)		Other Units (Specify)		Measurement	Sample
	Monthly Avg.	Monthly Max.	Monthly Avg.	Monthly Max.	Frequency	Type
Flow-M^3/day (MGD)	--	--	--	.075 MGD	Once/Day	Continuous
Oil and Grease	--	--	Report (mg/l)	59 mg/l	Twice/Month	Grab
Total Phenols	14.8(32.6)	22.2(48.8)	52 mg/l	78 mg/l	Twice/Month	Grab
	kg/day (lbs/day)		Other Units (Specify)		Measurement	Sample
	Annual Avg.	Annual Max.	Annual Avg.	Annual Max.	Frequency	Type
Pentachlorophenol	.34(.744)	.51(1.12)	1.19 mg/l	1.79 mg/l	Twice/Year	Grab
Chromium, Total	--	.67(1.48)	Report (mg/l)	2.36 mg/l	Twice/Year	Composite*
Copper, Total	--	.84(1.85)	Report (mg/l)	2.95 mg/l	Twice/Year	Composite*
Arsenic, Total	--	.67(1.48)	Report (mg/l)	2.36 mg/l	Twice/Year	Composite*

2. The pH shall not be less than 5.0 standard units nor greater than 9.5 standard units and shall be monitored once per week with a grab sample of the effluent.

3. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system.

*Composite samples should consist of manual grab samples of equal aliquot volumes taken every four hours for the duration of the discharge during the 24-hour period.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule:

   Upon permit issuance.

2. Within 14 days after either an interim or final date of compliance specified in Part I.B.1., the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. Failure to submit the written notice to the Permit Board shall be considered a violation of the compliance requirements of the permit, for which the Commission may be asked to take enforcement action.

2. Any unanticipated bypass which exceeds any effluent limitation in the permit.

3. Any upset which exceeds any effluent limitation in the permit.

4. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

b. Notice of Bypass.

(1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Permit Board, if possible at least ten days before the date of the bypass.

(2) The permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Permit Board within 24 hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass. The Permit Board may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

c. Prohibition of bypass. Bypass is prohibited, and the Permit Board may take enforcement action against the permittee for a bypass, unless;

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance furing normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal period of equipment downtime or preventative maintenance; and

(3) The permittee submitted notices as required under paragraph (b) of this section.

5. Upsets 40 CFR 403.16

a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

7. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit which has a reasonable likelihood of adversely affecting human health or the environment.

8. Power Failures

If electric power is required, in order to maintain compliance with the conditions and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in this permit,

b. Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities.

9. Compliance with Permit Conditions

All discharges authorized by the permit shall be consistent with the terms and conditions of the permit and the permittee shall make all reasonable efforts to meet any interim or final dates for compliance specified therein.

10. Facility Expansion and/or Modification

Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge.

6. Records Retention

a. All records and results of monitoring activities, including calibration and maintenance records, shall be retained by the permittee a minimum of three (3) years unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request.

b. The permittee shall furnish to the Permit Board upon request, copies of records required to be kept by this permit.

7. Falsifying Reports

Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code.

8. Noncompliance Reporting

a. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.

b. The following shall be included as information which must be reported within 24 hours under this paragraph.

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit.

(2) Any upset which exceeds any effluent limitation in the permit.

(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

c. The Executive Director may waive the written report on a case-by-case basis for reports under paragraph a. of this section if the oral report has been received within 24 hours.

a. All permit applications shall be signed as follows:

(1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (1) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (2) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

b. All reports required by the permit and other information requested by the Permit Board shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above;

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

(3) The written authorization is submitted to the Permit Board.

c. Changes to authorization. If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Permit Board prior to or together with any reports, information, or applications.

16. Property Rights

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.

17. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act or the applicable provisions under Mississippi Law pertaining to the transportation, storage, treatment, or spillage of oil or hazardous substances.

18. Hazardous Waste Release

a. The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place within 180 days of the effective date of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once. However, notifications of changed discharges must be submitted under 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e).

21. Submittal of Discharge Monitoring Results

Monitoring reports. Monitoring results shall be reported at the intervals specified in the permit.

a. Monitoring results must be reported on a Discharge Monitoring Report (DMR) and/or forms provided or specified by the Permit Board for reporting results of monitoring, of sludge use or disposal practices.

b. If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board.

c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit.

d. If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement.

24. Protection of Confidential Information

a. Pursuant to Miss. Code Ann. § 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. § 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality.

b. A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II.B.21.a., shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi.

c. Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. § 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed.

c. "Daily maximum" means the highest "daily discharge" over a calendar month.

d. "Monthly maximum" means the highest "daily discharge" over a calendar month.

e. "Yearly average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for fecal coliform bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero.

f. "Yearly maximum" means the highest "daily discharge" measured over a calendar year.

g. "Toxic pollutants" include, but are not limited to: (a) any toxic substance listed in Section 307(a)(1) of the Clean Water Act (CWA), any chemical listed in Section 313(c) of the Superfund Amendments and Reauthorization Act of 1986; and (b) any substance (that is not also a conventional or nonconventional pollutant) for which EPA or the State has published an acute or chronic toxicity criterion.

State of Mississippi
Water Pollution Control
PERMIT

TO OPERATE A WASTE DISPOSAL SYSTEM IN ACCORDANCE WITH NATIONAL AND STATE PRETREATMENT STANDARDS

THIS CERTIFIES THAT

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION
COLUMBUS, MISSISSIPPI

has been granted permission to discharge wastewater into

Columbus POTW (MS0023868)

in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act.

The issuance of this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

HEAD, OFFICE OF POLLUTION CONTROL
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued:

DRAFT FOR PUBLIC NOTICE
DATE: September 1, 1994

Expires:

Permit No. MSP090021

PART I

A. PRETREATMENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning , and lasting until , the permittee is authorized to discharge from outfall(s) serial number(s) 001 (Pretreated Process Wastewater, Boiler Blowdown, and Remediated Groundwater).

   Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day (lbs/day)		Other Units (Specify)		Measurement	Sample
	Monthly Avg.	Monthly Max.	Monthly Avg.	Monthly Max.	Frequency	Type
Flow-M^3/day (MGD)	--	--	--	.075 MGD	Once/Day	Continuous
Oil and Grease	--	--	Report (mg/l)	59 mg/l	Twice/Month	Grab
Total Phenols	14.8(32.6)	22.2(48.8)	52 mg/l	78 mg/l	Twice/Month	Grab
	kg/day (lbs/day)		Other Units (Specify)		Measurement	Sample
	Annual Avg.	Annual Max.	Annual Avg.	Annual Max.	Frequency	Type
Pentachlorophenol	.34(.744)	.51(1.12)	1.19 mg/l	1.79 mg/l	Twice/Year	Grab
Chromium, Total	--	.67(1.48)	Report (mg/l)	2.36 mg/l	Twice/Year	Composite*
Copper, Total	--	.84(1.85)	Report (mg/l)	2.95 mg/l	Twice/Year	Composite*
Arsenic, Total	--	.67(1.48)	Report (mg/l)	2.36 mg/l	Twice/Year	Composite*

2. The pH shall not be less than 5.0 standard units nor greater than 9.5 standard units and shall be monitored once per week with a grab sample of the effluent.

3. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system.

*Composite samples should consist of manual grab samples of equal aliquot volumes taken every four hours for the duration of the discharge during the 24-hour period.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule:

   Upon permit issuance.

2. Within 14 days after either an interim or final date of compliance specified in Part I.B.1., the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. Failure to submit the written notice to the Permit Board shall be considered a violation of the compliance requirements of the permit, for which the Commission may be asked to take enforcement action.

2. Any unanticipated bypass which exceeds any effluent limitation in the permit.

3. Any upset which exceeds any effluent limitation in the permit.

4. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

b. Notice of Bypass.

(1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Permit Board, if possible at least ten days before the date of the bypass.

(2) The permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Permit Board within 24 hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass. The Permit Board may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

c. Prohibition of bypass. Bypass is prohibited, and the Permit Board may take enforcement action against the permittee for a bypass, unless;

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance furing normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal period of equipment downtime or preventative maintenance; and

(3) The permittee submitted notices as required under paragraph (b) of this section.

5. Upsets 40 CFR 403.16

a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

7. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit which has a reasonable likelihood of adversely affecting human health or the environment.

8. Power Failures

If electric power is required, in order to maintain compliance with the conditions and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in this permit,

b. Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities.

9. Compliance with Permit Conditions

All discharges authorized by the permit shall be consistent with the terms and conditions of the permit and the permittee shall make all reasonable efforts to meet any interim or final dates for compliance specified therein.

10. Facility Expansion and/or Modification

Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge.

6. Records Retention

a. All records and results of monitoring activities, including calibration and maintenance records, shall be retained by the permittee a minimum of three (3) years unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request.

b. The permittee shall furnish to the Permit Board upon request, copies of records required to be kept by this permit.

7. Falsifying Reports

Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code.

8. Noncompliance Reporting

a. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.

b. The following shall be included as information which must be reported within 24 hours under this paragraph.

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit.

(2) Any upset which exceeds any effluent limitation in the permit.

(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

c. The Executive Director may waive the written report on a case-by-case basis for reports under paragraph a. of this section if the oral report has been received within 24 hours.

a. All permit applications shall be signed as follows:

(1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (1) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (2) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

b. All reports required by the permit and other information requested by the Permit Board shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above;

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

(3) The written authorization is submitted to the Permit Board.

c. Changes to authorization. If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Permit Board prior to or together with any reports, information, or applications.

16. Property Rights

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.

17. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act or the applicable provisions under Mississippi Law pertaining to the transportation, storage, treatment, or spillage of oil or hazardous substances.

18. Hazardous Waste Release

a. The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place within 180 days of the effective date of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once. However, notifications of changed discharges must be submitted under 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e).

21. Submittal of Discharge Monitoring Results

Monitoring reports. Monitoring results shall be reported at the intervals specified in the permit.

a. Monitoring results must be reported on a Discharge Monitoring Report (DMR) and/or forms provided or specified by the Permit Board for reporting results of monitoring, of sludge use or disposal practices.

b. If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board.

c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit.

d. If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement.

24. Protection of Confidential Information

a. Pursuant to Miss. Code Ann. § 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. § 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality.

b. A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II.B.21.a., shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi.

c. Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. § 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed.

c. "Daily maximum" means the highest "daily discharge" over a calendar month.

d. "Monthly maximum" means the highest "daily discharge" over a calendar month.

e. "Yearly average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for fecal coliform bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero.

f. "Yearly maximum" means the highest "daily discharge" measured over a calendar year.

g. "Toxic pollutants" include, but are not limited to: (a) any toxic substance listed in Section 307(a)(1) of the Clean Water Act (CWA), any chemical listed in Section 313(c) of the Superfund Amendments and Reauthorization Act of 1986; and (b) any substance (that is not also a conventional or nonconventional pollutant) for which EPA or the State has published an acute or chronic toxicity criterion.

State of Mississippi
Water Pollution Control
PERMIT

TO OPERATE A WASTE DISPOSAL SYSTEM IN ACCORDANCE WITH NATIONAL AND STATE PRETREATMENT STANDARDS

THIS CERTIFIES THAT

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION
COLUMBUS, MISSISSIPPI

has been granted permission to discharge wastewater into

Columbus POTW (MS0023868)

in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act.

The issuance of this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

_____

HEAD, OFFICE OF POLLUTION CONTROL
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued:

Expires:

Permit No. MSP090021

1st DRAFT

DATE: July 26, 1994

PART I

A. PRETREATMENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning , and lasting until , the permittee is authorized to discharge from outfall(s) serial number(s) 001 (Pretreated Process Wastewater, Boiler Blowdown, and Remediated Groundwater).

   Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day (lbs/day)		Other Units (Specify)			
	Monthly Avg.	Monthly Max.	Monthly Avg.	Monthly Max.	Measurement Frequency	Sample Type
Flow-M^3/day (MGD)	--	--	--	.075 MGD	Once/Day	Continuous
Oil and Grease	--	--	Report (mg/l)	59 mg/l	Twice/Month	Grab
Total Phenols	74(163)	111(244)	260 mg/l	390 mg/l	Twice/Month	Grab
	kg/day (lbs/day)		Other Units (Specify)			
	Annual Avg.	Annual Max.	Annual Avg.	Annual Max.	Measurement Frequency	Sample Type
Pentachlorophenol	.34(.744)	.51(1.12)	1.19 mg/l	1.79 mg/l	Twice/Year	Grab
Chromium, Total	--	.67(1.48)	Report (mg/l)	2.36 mg/l	Twice/Year	Composite*
Copper, Total	--	.84(1.85)	Report (mg/l)	2.95 mg/l	Twice/Year	Composite*
Arsenic, Total	--	.67(1.48)	Report (mg/l)	2.36 mg/l	Twice/Year	Composite*

2. The pH shall not be less than 5.0 standard units nor greater than 9.5 standard units and shall be monitored once per week with a grab sample of the effluent.

3. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system.

*Composite samples should consist of manual grab samples of equal aliquot volumes taken every four hours for the duration of the discharge during the 24-hour period.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule:

   Upon permit issuance.

2. Within 14 days after either an interim or final date of compliance specified in Part I.B.1., the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. Failure to submit the written notice to the Permit Board shall be considered a violation of the compliance requirements of the permit, for which the Commission may be asked to take enforcement action.

2. Any unanticipated bypass which exceeds any effluent limitation in the permit.

3. Any upset which exceeds any effluent limitation in the permit.

4. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

b. Notice of Bypass.

(1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Permit Board, if possible at least ten days before the date of the bypass.

(2) The permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Permit Board within 24 hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass. The Permit Board may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

c. Prohibition of bypass. Bypass is prohibited, and the Permit Board may take enforcement action against the permittee for a bypass, unless;

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance furing normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal period of equipment downtime or preventative maintenance; and

(3) The permittee submitted notices as required under paragraph (b) of this section.

5. Upsets 40 CFR 403.16

a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

7. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit which has a reasonable likelihood of adversely affecting human health or the environment.

8. Power Failures

If electric power is required, in order to maintain compliance with the conditions and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in this permit,

b. Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities.

9. Compliance with Permit Conditions

All discharges authorized by the permit shall be consistent with the terms and conditions of the permit and the permittee shall make all reasonable efforts to meet any interim or final dates for compliance specified therein.

10. Facility Expansion and/or Modification

Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge.

6. Records Retention

a. All records and results of monitoring activities, including calibration and maintenance records, shall be retained by the permittee a minimum of three (3) years unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request.

b. The permittee shall furnish to the Permit Board upon request, copies of records required to be kept by this permit.

7. Falsifying Reports

Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code.

8. Noncompliance Reporting

a. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.

b. The following shall be included as information which must be reported within 24 hours under this paragraph.

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit.

(2) Any upset which exceeds any effluent limitation in the permit.

(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

c. The Executive Director may waive the written report on a case-by-case basis for reports under paragraph a. of this section if the oral report has been received within 24 hours.

a. All permit applications shall be signed as follows:

(1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (1) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (2) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

b. All reports required by the permit and other information requested by the Permit Board shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above;

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

(3) The written authorization is submitted to the Permit Board.

c. Changes to authorization. If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Permit Board prior to or together with any reports, information, or applications.

16. Property Rights

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.

17. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act or the applicable provisions under Mississippi Law pertaining to the transportation, storage, treatment, or spillage of oil or hazardous substances.

18. Hazardous Waste Release

a. The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place within 180 days of the effective date of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once. However, notifications of changed discharges must be submitted under 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e).

21. Submittal of Discharge Monitoring Results

Monitoring reports. Monitoring results shall be reported at the intervals specified in the permit.

a. Monitoring results must be reported on a Discharge Monitoring Report (DMR) and/or forms provided or specified by the Permit Board for reporting results of monitoring, of sludge use or disposal practices.

b. If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board.

c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit.

d. If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement.

24. Protection of Confidential Information

a. Pursuant to Miss. Code Ann. § 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. § 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality.

b. A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II.B.21.a., shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi.

c. Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. § 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed.

c. "Daily maximum" means the highest "daily discharge" over a calendar month.

d. "Monthly maximum" means the highest "daily discharge" over a calendar month.

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f. "Yearly maximum" means the highest "daily discharge" measured over a calendar year.

g. "Toxic pollutants" include, but are not limited to: (a) any toxic substance listed in Section 307(a)(1) of the Clean Water Act (CWA), any chemical listed in Section 313(c) of the Superfund Amendments and Reauthorization Act of 1986; and (b) any substance (that is not also a conventional or nonconventional pollutant) for which EPA or the State has published an acute or chronic toxicity criterion.

For Agency Use
Application Number
MSP09002 1
Date Received

STATE OF MISSISSIPPI
BUREAU OF POLLUTION CONTROL
P. O. BOX 10385
JACKSON, MISSISSIPPI 39209

APPLICATION FOR A STATE OPERATING PERMIT

(Please print or type)

1. Name of Applicant: Kerr-McGee Chemical Corporation
   Forest Products Division

2. Mailing Address of Applicant:
   Number & Street (P. O. Box): P. O. Box 906
   City: Columbus State: MS Zip: 39703

3. Applicant's Authorized Agent:
   Name & Title: Anthony N. Helms - Plant Manager
   Number & Street (P. O. Box): P. O. Box 906
   City: Columbus State: MS Zip: 39703
   Telephone Number: 601/328-7551

4. Facilities Location:
   Number & Street: 2300 14th Avenue and 20th Street North
   City: Columbus County: Lowndes

5. Nature of Business: Wood Preserving

6. Do you Discharge Wastewater to a POTW? X Yes _____ No
   If "Yes" Continue, if "No" go to Item 10.
   Name of POTW Receiving Wastewater: Columbus Light & Water Dept.
   Number & Street (P. O. Box): 498 Yorkville Road West
   City: Columbus County: Lowndes

Rev.10/25/84-jcs

12. **Give narrative description of process(es) producting discharge, or in the case of no discharge, that generates wastewater.**

Wastewater is produced when wood is dried in our retort. The water that comes out of the wood as well as the vacuum cooling water is treated and discharged. Groundwater recovered from our recovery system is also treated and discharged. Boiler blowdown water is also discharged.

Process water 59%, Groundwater 41%

13. **List raw materials used:** Wood, Creosote

14. **Effluent Characteristics:**

A. **You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall to the city sewer. If your facility does not have a discharge indicate so and disregard.**

Parameter	Maximum Daily Value	Maximum 30 Day Value	Long Term Average Value
BOD_5 Jan. 91-Jan. 92	1260 mg/L	1489 mg/L	520 mg/L
COD Nov. 1993	1150		
TSS Jan. 91-Jan. 92	160 mg/L	143 mg/L	33.94 mg/L
Ammonia Jan. 91	1.15 mg/L	0.96 mg/L	0.96 mg/L
Oil & Grease Oct. 92 - Oct 93	48 mg/L	14.25 mg/L	9.67 mg/L
pH Oct.92-Oct.93	9.8	7.0	6.61

B. **Review the substances listed in Table One and indicate which of these substances you have reason to believe may be in your discharge. For instance you may use solvents or Biocides that contain one or more of the indicated solvents. For each substance indicated you must perform at least one anlysis and report results.**

15. Treatment Units:

A. Do you provide treatment for your wastewater? __x__ Yes _____ No

B. If yes, list and describe each treatment unit and attach a line schematic of the treatment system indicating each treatment unit and a water balance.

See Attachment A

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true and correct.

Anthony N. Helms
Printed Name of Applicant's Authorized Agent

Plant Manager
Title

11/17/93
Date Application Signed

Anthony N. Helms
Signature of Authorized Agent

Rationale (Reissuance)
Kerr-McGee Chemical Corporation
Columbus, Mississippi
MSP090021
July 14, 1994

I. Industrial Information

A. Nature of Operation: Wood Preserving and Groundwater Remediation Operations.

B. Flow 001 (Max.)-.075 MGD (Process and Remediated Goundwater).

C. Applicable Federal Guidelines - 40 CFR 429.85 and 429.95 (PSES)

II. Other Contributing Sources (United Technologies Electro Systems, Inc.)

A. Nature of Operation: Phosphating and Plating Lines.

B. Flow 001-.209 MGD

C. Parameters common to this permit-Copper and Chromium

III. POTW Information

A. Columbus POTW (MS0023868) Activated Sludge

B. POTW Flow: 7.00 MGD

Apr'94	7.10
Mar'94	7.23
Feb'94	7.71
Jan'94	7.98
Dec'93	7.14
Nov'93	7.15
Oct'93	6.54
Sep'93	6.41
Aug'93	6.47
Jul'93	6.43
Jun'93	6.75
May'93	7.12
AVG.	7.00

C. Receiving Stream - Luxapallila Creek

D. 7Q10 Flow: 59 cfs = 38.1 MGD

$$IWC = \frac{Q_{PROCESS}}{Q_{POTW} + Q_{REC.}} = \frac{.075}{7.00 + 38.1} = .17\%$$

Acute Screening Only

E. Domestic Load

$$Load = 8.34 ([1]C_{DOM}) (Q_{Domestic})$$

$Q_{Domestic} = Q_{POTW} - Q_{IND.}$ =7.00-.025-.209=6.766 MGD

L(Pentachlorophenol) = 0
L(Phenol) = 0
L(Cr) = (8.34)(.05)(6.766) = 2.82 lbs/day
L(Cu) = (8.34)(.061)(6.766) = 3.44 lbs/day
L(As) = (8.34)(.003)(6.766) = .169 lbs/day

[1]Table 3-13 of the EPA guidance manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program.

IV. Water Quality

IWC = .17% Hence, develop acute screening only.

A. Categorical Parameters-Cr, Cu, and As.
Other Parameters of Concern-PCP and Phenols

B. Allowable Acute Loading

$$L = 8.34 (Q_{POTW} + Q_{7Q10}) ([2]C_{CRIT}) / (1 - R_{POTW})$$

L_{ALLOW}(PCP) = .9(8.34)(7.00+38.1)(.00332)/(1 -0)
= 1.12 lbs/day
L_{ALLOW}(Phenol) = .9(8.34)(45.1)(.300)/(1 -.90)
= 1016 lbs/day
L_{ALLOW}(Cr) = .9(8.34)(45.1)(.833)/(1 -.82)
= 1566 lbs/day
L_{ALLOW}(Cu) = .9(8.34)(45.1)(.00782)/(1 -.86)
= 19 lbs/day
L_{ALLOW}(As) = .9(8.34)(45.1)(.342)/(1 - 0)
= 116 lbs/day

[2]State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters.

C. Allowable Acute Concentration

$C_{ALLOW} = (L_{ALLOW} - L_{DOM} - L_{UTES}) / (8.34)(Q_{KeMg})$

C(PCP) = (1.12-0-0)/(8.34)(.075) = 1.79 mg/L
C(Phenol)= (1016-0-0)/(8.34)(.075) = 1624 mg/L
C(Cr) = (1566-2.82-4.83)/(8.34)(.075) = 2491 mg/L
C(Cu) = (19-3.44-5.89)/(8.34)(.075) = 15 mg/L
C(As) = (116-.169-0)/(8.34)(.075) = 185 mg/L

V. POTW Inhibition Check

A. Allowable Loading @ POTW

$L = 8.34(Q_{POTW})(C_{INH(3)})$

L_{ALLOW}(PCP) = .9(8.34)(7.0)(.95)
= 50.0 lbs/day
L_{ALLOW}(Phenol) = .9(8.34)(7.0)(50)
= 2627 lbs/day
L_{ALLOW}(Cr) = .9(8.34)(7.0)(1)
= 53 lbs/day
L_{ALLOW}(Cu) = .9(8.34)(7.0)(1)
= 53 lbs/day
L_{ALLOW}(As) = .9(8.34)(7.0)(.1)
= 5.3 lbs/day

(3) Table 3-2 of the EPA Guidance Manual.

B. Allowable Concentration

$CALLOW = (L_{ALLOW} - L_{DOM} - L_{UTES}) / (8.34)(Q_{Ind.})$

C(PCP) = (50.0-0-0)/8.34)(.075) = 80.0 mg/L
C(Phenol) = (2627-0-0)/(8.34)(.075) = 4200 mg/L
C(Cr) = (53-2.82-4.83)/(8.34)(.075)= 73.0 mg/L
C(Cu) = (53-3.44-5.89)/(8.34)(.075)= 70.0 mg/L
C(As) = (5.3-.169-0)/(8.34)(.075) = 8.2 mg/L

VI. Combined Wastestreams

Parameter	Categorical Standard	Combined Standard
PCP	NA	NA
Phenol	NA	NA
Cu	5 mg/L	2.95 mg/L
Cr	4 mg/L	2.36 mg/L
As	4 mg/L	2.36 mg/L
Oil and Grease	100 mg/L	59 mg/L

$C_T=\left(\sum_{i=1}^{N} C_i F_i / \sum_{i=1}^{N} F_i\right)\left((F_T-F_D)/F_T\right)$ F_D(Remediated Groundwater)~.03075 MGD

$C_T=(C_1F_1/F_1)((F_T-F_D)/F_T$
$C_T=C_1((.075-.03075)/.075)$
$C_T=C_1(.59)$

VII. SUMMARY

Parameter	Domestic[4] Conc.	Allowed Water Qual. Conc. (mg/L) Acute	Allowed Inhibit. Conc. (mg/L)	Categorical Concentration Conc. (mg/L)
PCP	NA	1.79	80	NA
Phenol	NA	1624	4200	NA
Cr	.05	2491	73	2.36
Cu	.061	15	70	2.95
As	.003	185	8.2	2.36
Oil & Grease	NA	NA	NA	59

[4] Table 3-13 of the EPA Guidance Manual

VIII. Proposed Limits

001

Parameter	Avg (mg/L)	Max (mg/L)	Frequency	Type
Oil and Grease	Report	59	twice/month	Grab
PCP	1.19[8]	1.79	twice/year	Grab
Phenol	260[8]	390[6]	twice/month	Grab
Cr	Report	2.36	twice/year[5]	Composite[7]
Cu	Report	2.95	twice/year[5]	Composite[7]
As	Report	2.36	twice/year[5]	Composite[7]
Flow(001)	.075 MGD		daily	Continuous

[5] This frequency is used because Kerr-McGee does not use these parameters to preserve wood.

[6] This is the concentration limit that was used to develop the loading limit utilized in the current permit that Kerr-McGee has shown consistent compliance; therefore, the limit can not be increased because of the anti-backsliding clause stated in 40 CFR 122.44(l).

[7] Composite samples should consist of manual grab samples of equal aliquot volumes taken every four hours for the duration of the discharge during the 24-hour period.

[8] Maximum limit divided by 1.5.

KERR-MCGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUL 15 1994
DEQ-OPC

July 13, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of June, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

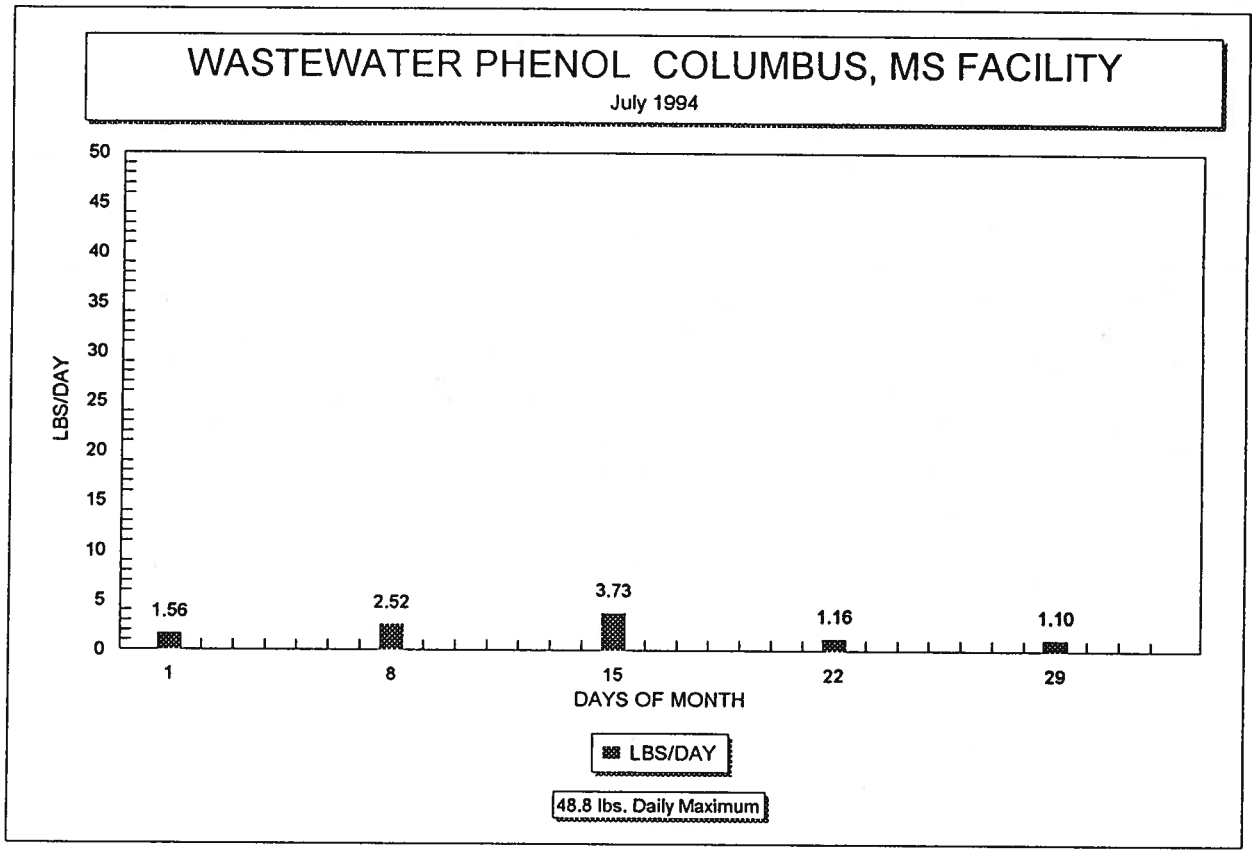
Anthony N. Helms

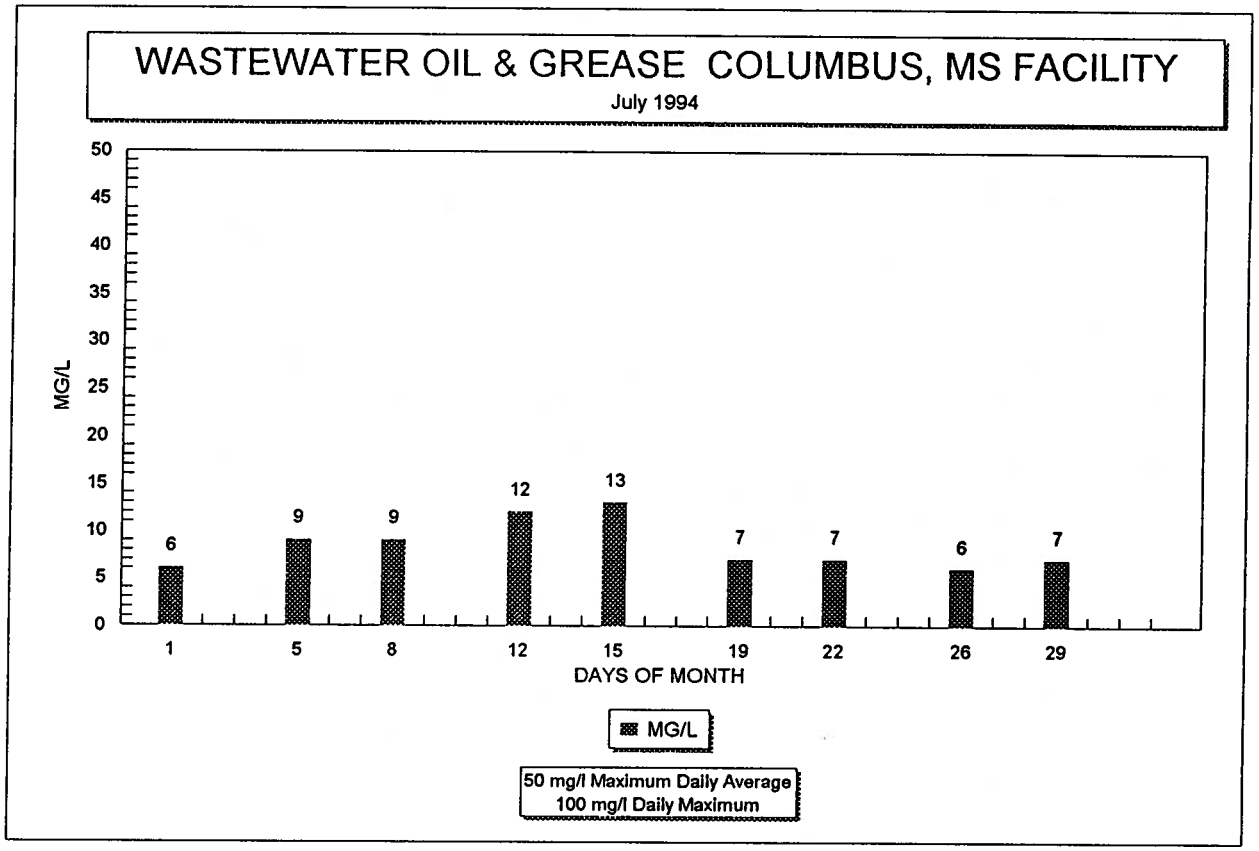
Anthony N. Helms
Plant Manager

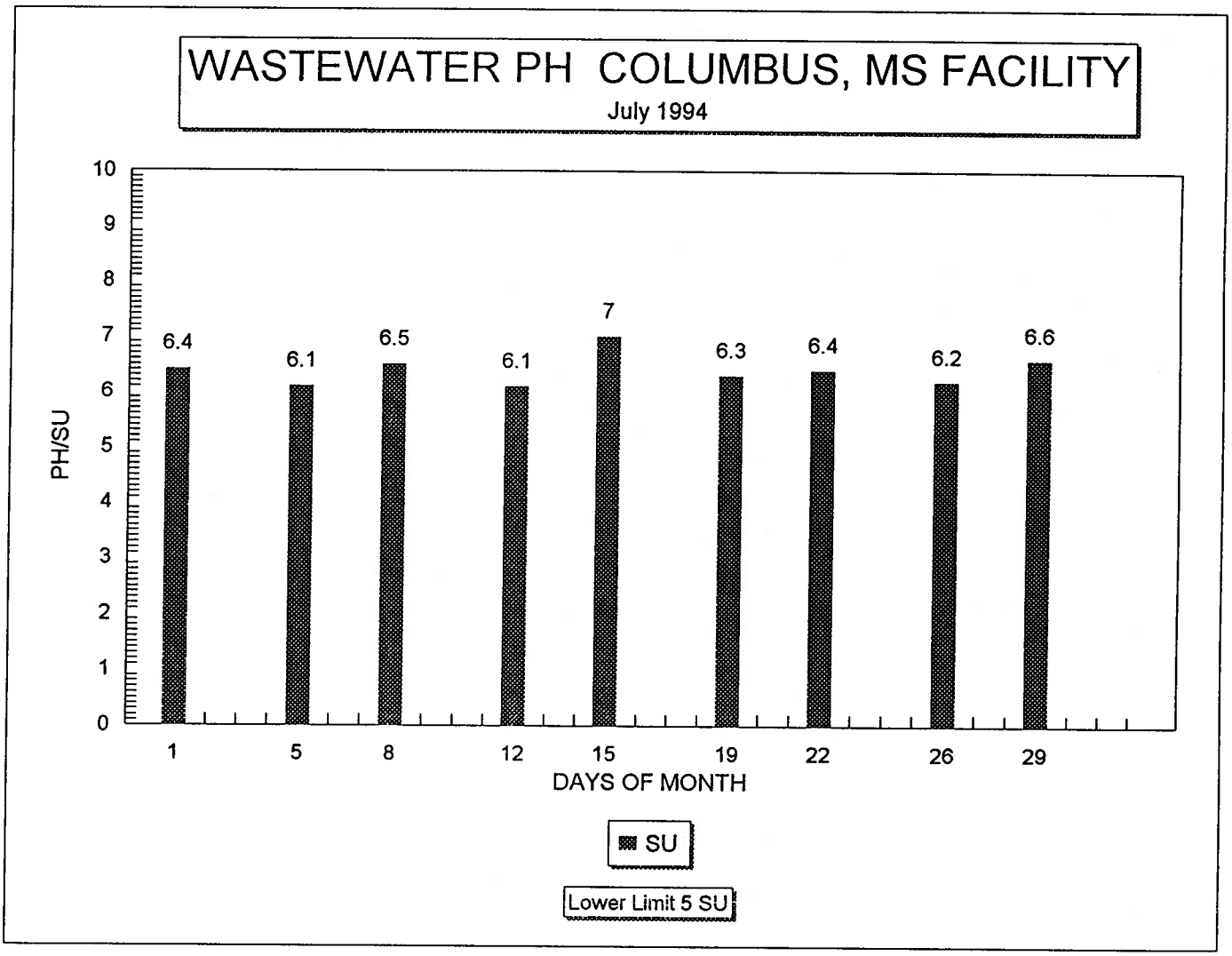
Enclosures

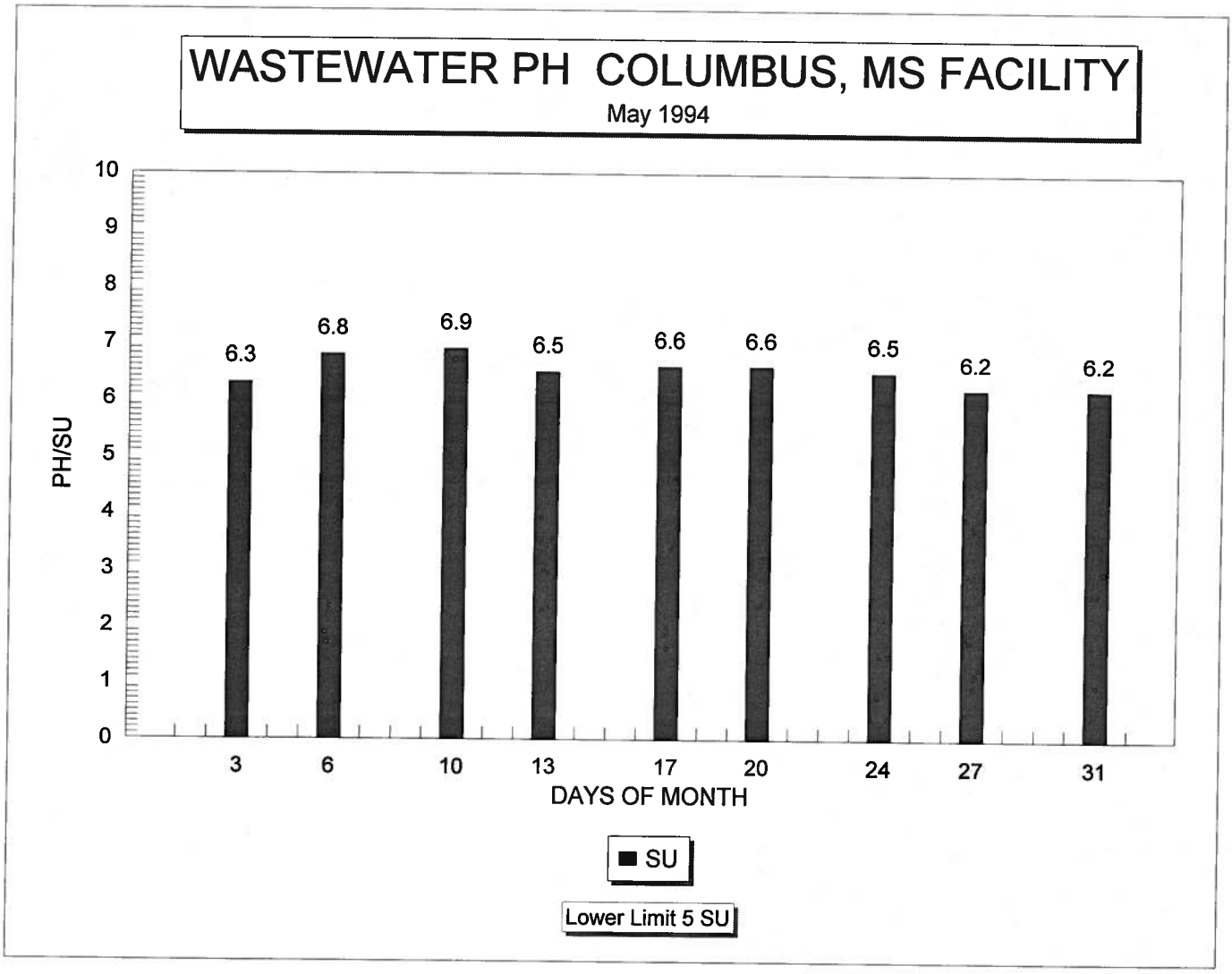
ANH/tjj

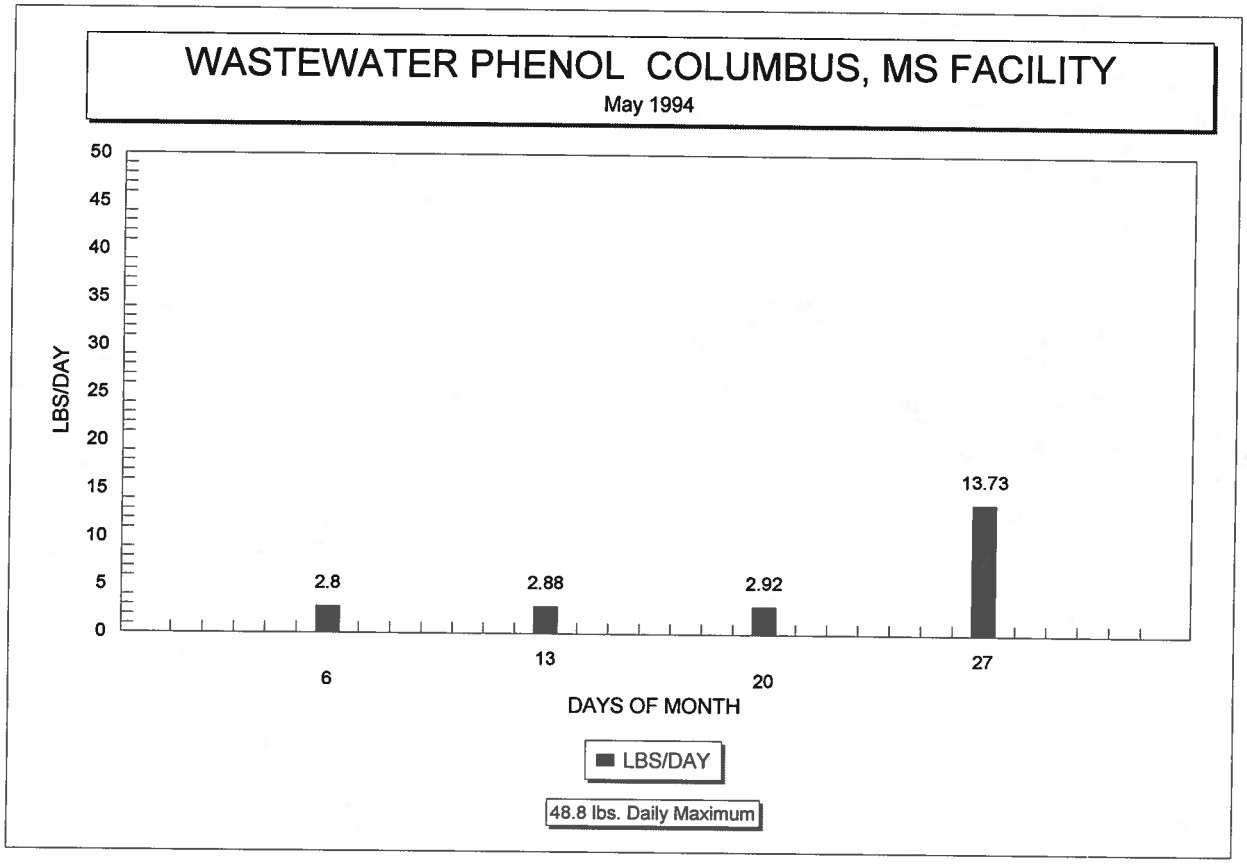
cc: N. Bock

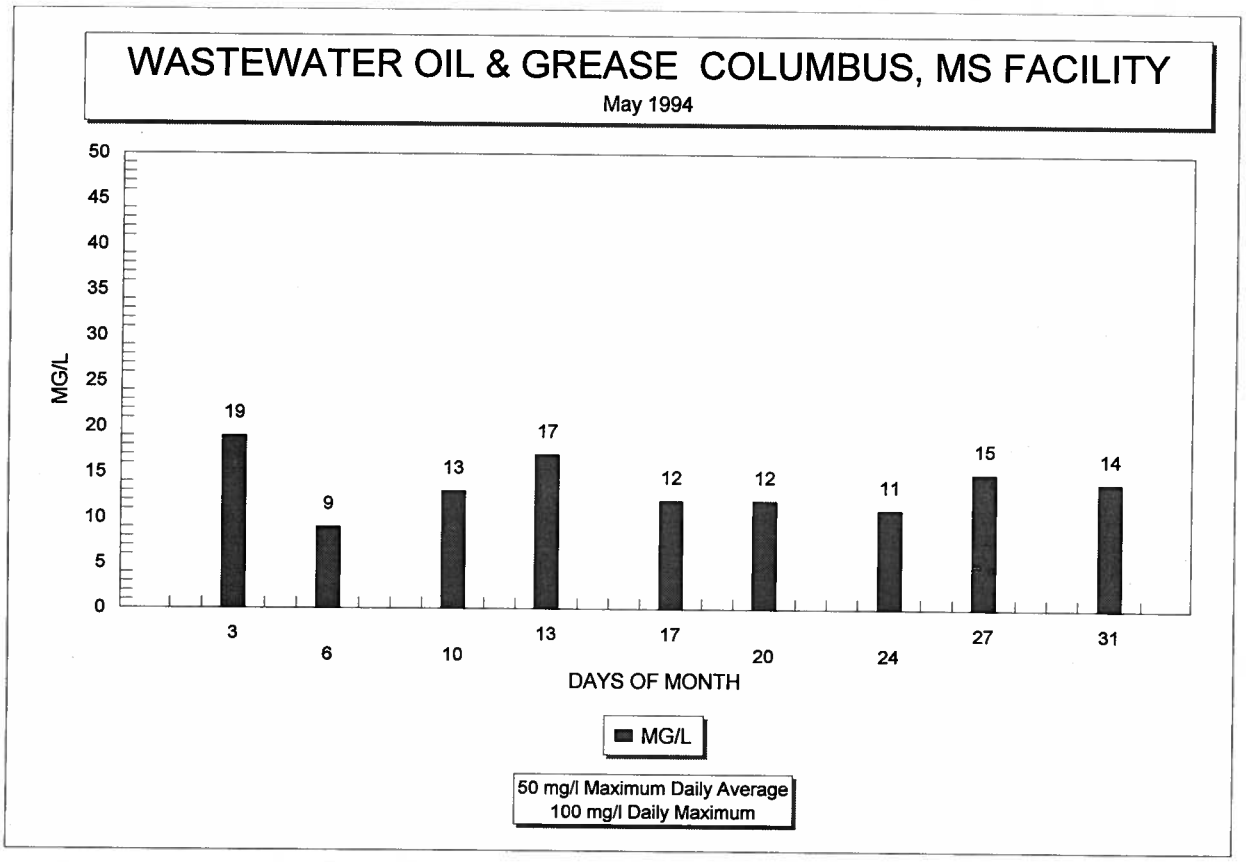

WASTEWATER PHENOL COLUMBUS, MS FACILITY
July 1994
LBS/DAY
50
45
40
35
30
25
20
15
10
5
0
1.56
2.52
3.73
1.16
1.10
1
8
15
22
29
DAYS OF MONTH
LBS/DAY
48.8 lbs. Daily Maximum


WASTEWATER OIL & GREASE COLUMBUS, MS FACILITY
July 1994
MG/L
50
45
40
35
30
25
20
15
10
5
0
6
9
9
12
13
7
7
6
7
1
5
8
12
15
19
22
26
29
DAYS OF MONTH
MG/L
50 mg/l Maximum Daily Average
100 mg/l Daily Maximum


WASTEWATER PH COLUMBUS, MS FACILITY
July 1994
PH/SU
10
9
8
7
6
5
4
3
2
1
0
6.4
6.1
6.5
6.1
7
6.3
6.4
6.2
6.6
1
5
8
12
15
19
22
26
29
DAYS OF MONTH
SU
Lower Limit 5 SU


WASTEWATER PH COLUMBUS, MS FACILITY
May 1994
PH/SU
10
9
8
7
6
5
4
3
2
1
0
6.3
6.8
6.9
6.5
6.6
6.6
6.5
6.2
6.2
3
6
10
13
17
20
24
27
31
DAYS OF MONTH
SU
Lower Limit 5 SU


WASTEWATER PHENOL COLUMBUS, MS FACILITY
May 1994
LBS/DAY
50
45
40
35
30
25
20
15
10
5
0
2.8
2.88
2.92
13.73
6
13
20
27
DAYS OF MONTH
LBS/DAY
48.8 lbs. Daily Maximum


WASTEWATER OIL & GREASE COLUMBUS, MS FACILITY
May 1994
MG/L
50
45
40
35
30
25
20
15
10
5
0
19
9
13
17
12
12
11
15
14
3
6
10
13
17
20
24
27
31
DAYS OF MONTH
MG/L
50 mg/l Maximum Daily Average
100 mg/l Daily Maximum

INTAKE SHEET FOR REQUEST FOR ACCESS TO PUBLIC RECORDS

DATE: MAY 17, 1994

NAME: MIKE MATHEWS TELEPHONE NUMBER: 949-4793

COMPANY NAME: WATKINS LUDLAM STENNIS

ADDRESS: P. O. BOX 427, JACKSON, MS 39205-0427

DOCUMENT INFORMATION

1. FACILITY: KERR-MCGEE

   COUNTY: LOWNDES DIVISION: SURFACE WATER;PRETREATMENT

2. FACILITY:

   COUNTY:

APPOINTMENT TIME AND DATE: MAY 19, 1994 - 9:30

BILLING INFORMATION

NO. OF COPIES MADE: 37 @ $.25 = Ø; LUST RPT. _____;

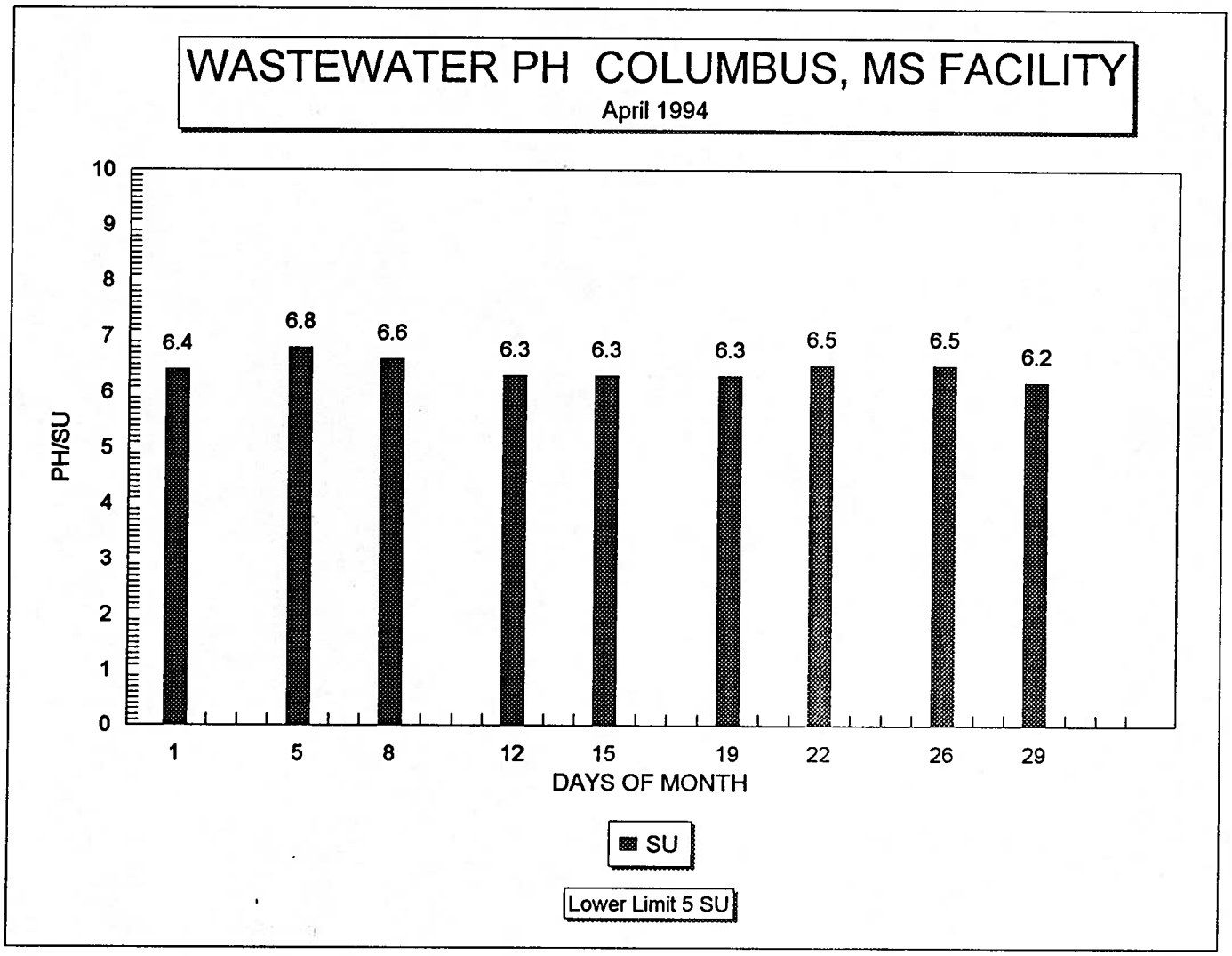
DISK _____; PRE-PRINTED REPORT (#___) _____ (UNDER 40 PGS)

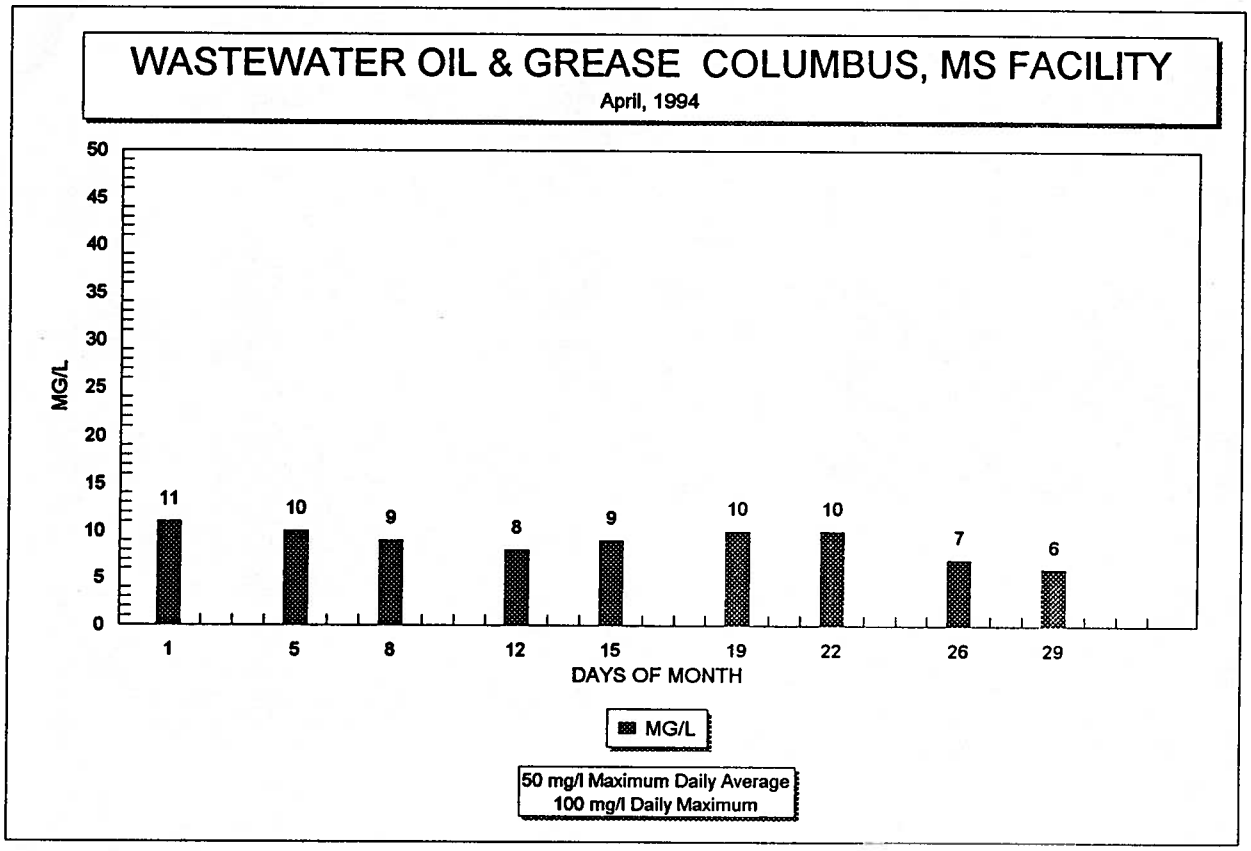
TOTAL AMOUNT DUE: Ø

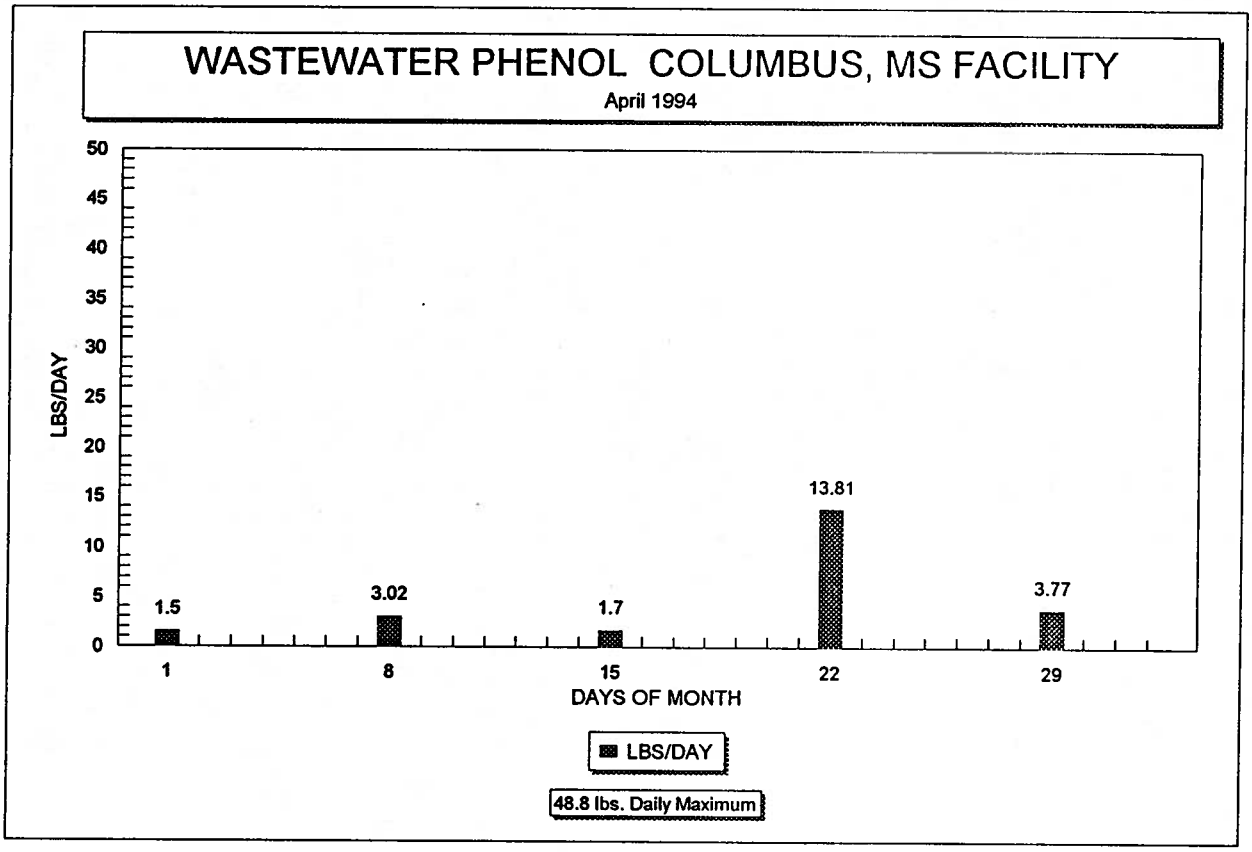
PAYMENT RECEIVED: BILL ORGANIZATION:

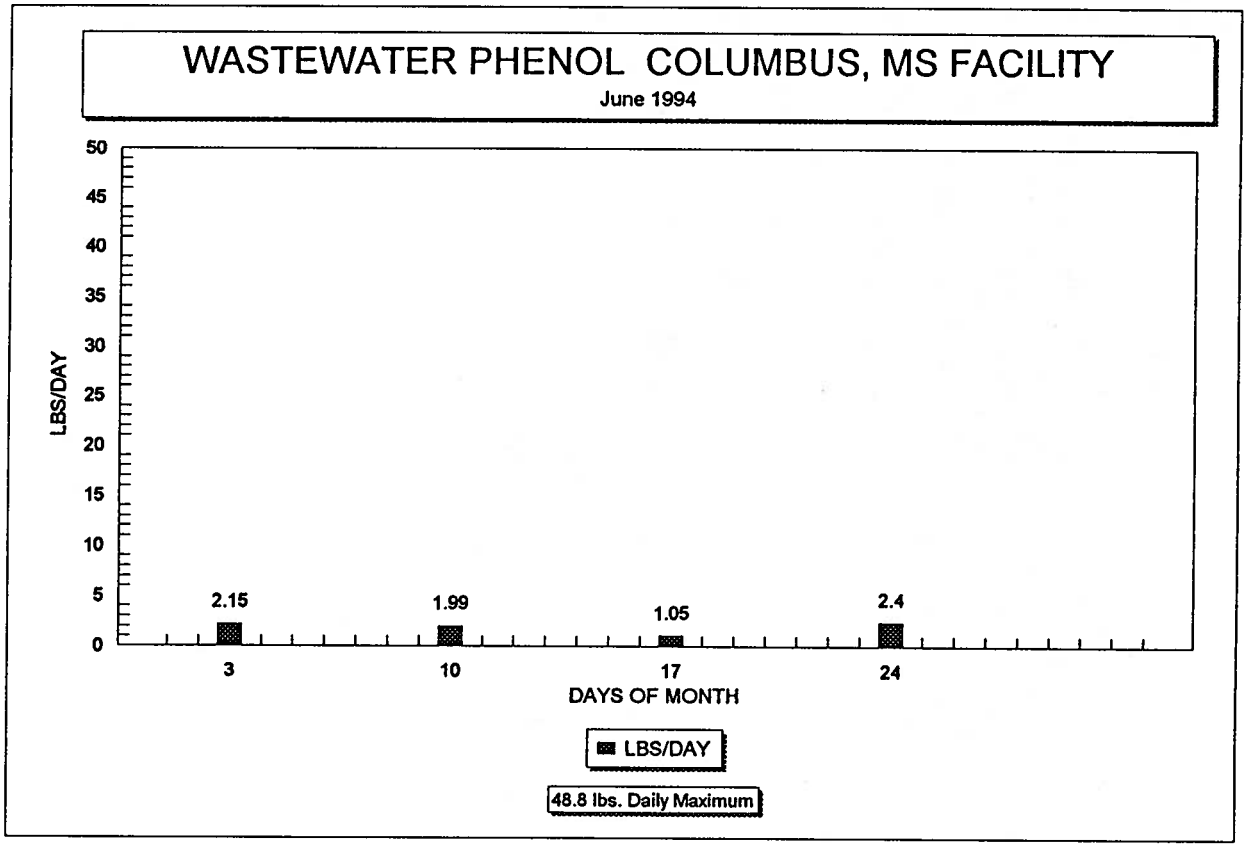
OPC STAFF SIGNATURE: F Grilli PERSON REQUESTING COPIES: M Mathews

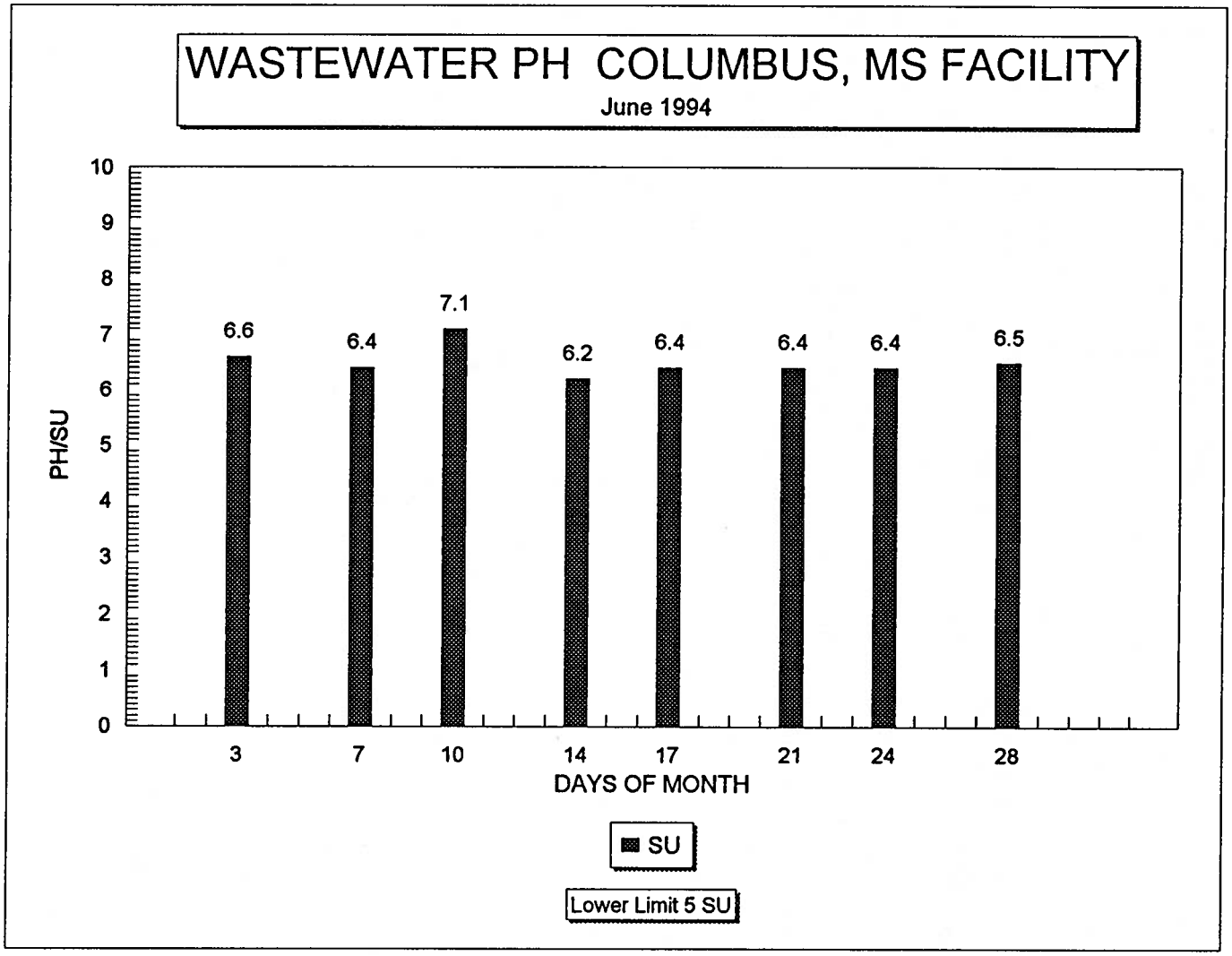
COMMENTS: LEFT MESSAGE WITH ANN PARRISH FOR FILE


WASTEWATER PH COLUMBUS, MS FACILITY
April 1994
PH/SU
10
9
8
7
6
5
4
3
2
1
0
6.4
6.8
6.6
6.3
6.3
6.3
6.5
6.5
6.2
1
5
8
12
15
19
22
26
29
DAYS OF MONTH
SU
Lower Limit 5 SU

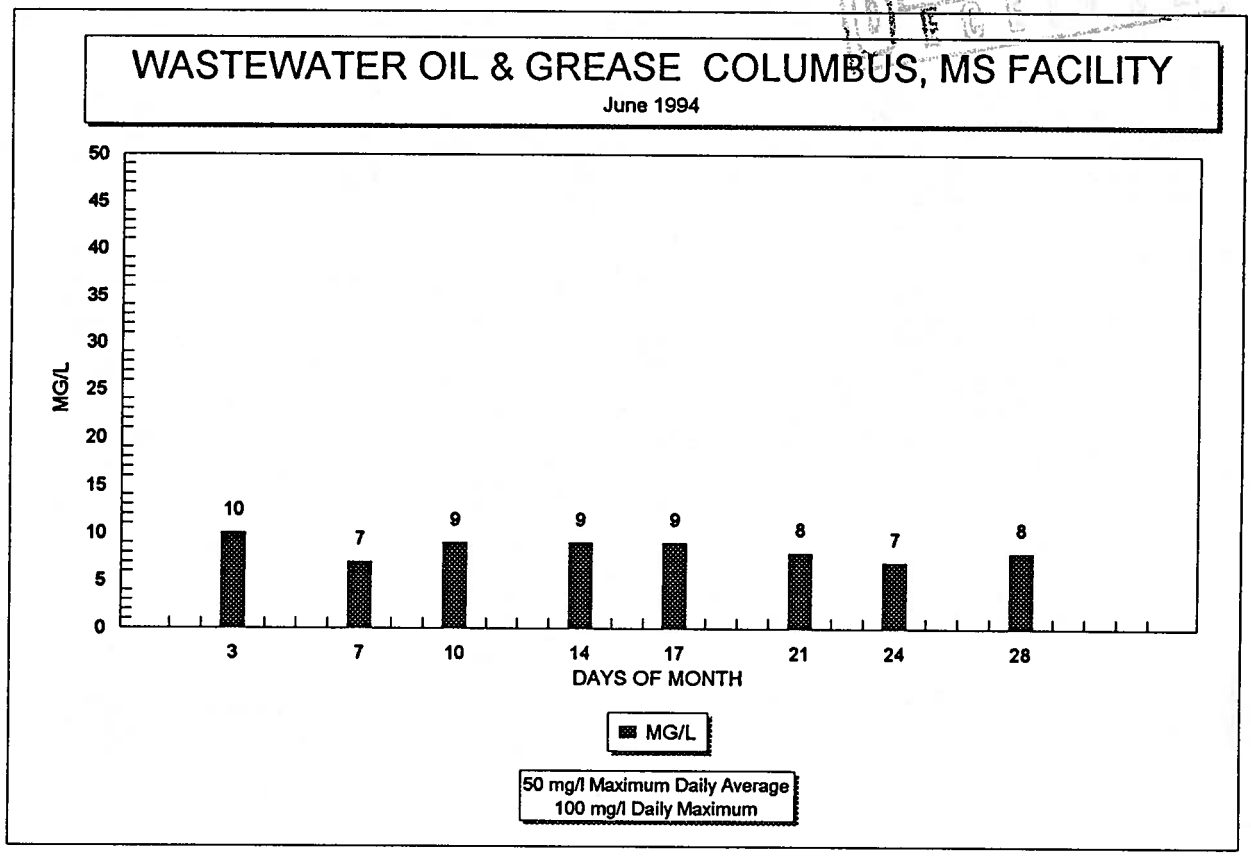

WASTEWATER OIL & GREASE COLUMBUS, MS FACILITY
April, 1994
MG/L
50
45
40
35
30
25
20
15
10
5
0
11
10
9
8
9
10
10
7
6
1
5
8
12
15
19
22
26
29
DAYS OF MONTH
MG/L
50 mg/l Maximum Daily Average
100 mg/l Daily Maximum


WASTEWATER PHENOL COLUMBUS, MS FACILITY
April 1994
LBS/DAY
50
45
40
35
30
25
20
15
10
5
0
1.5
3.02
1.7
13.81
3.77
1
8
15
22
29
DAYS OF MONTH
LBS/DAY
48.8 lbs. Daily Maximum


WASTEWATER PHENOL COLUMBUS, MS FACILITY
June 1994
LBS/DAY
50
45
40
35
30
25
20
15
10
5
0
2.15
1.99
1.05
2.4
3
10
17
24
DAYS OF MONTH
LBS/DAY
48.8 lbs. Daily Maximum

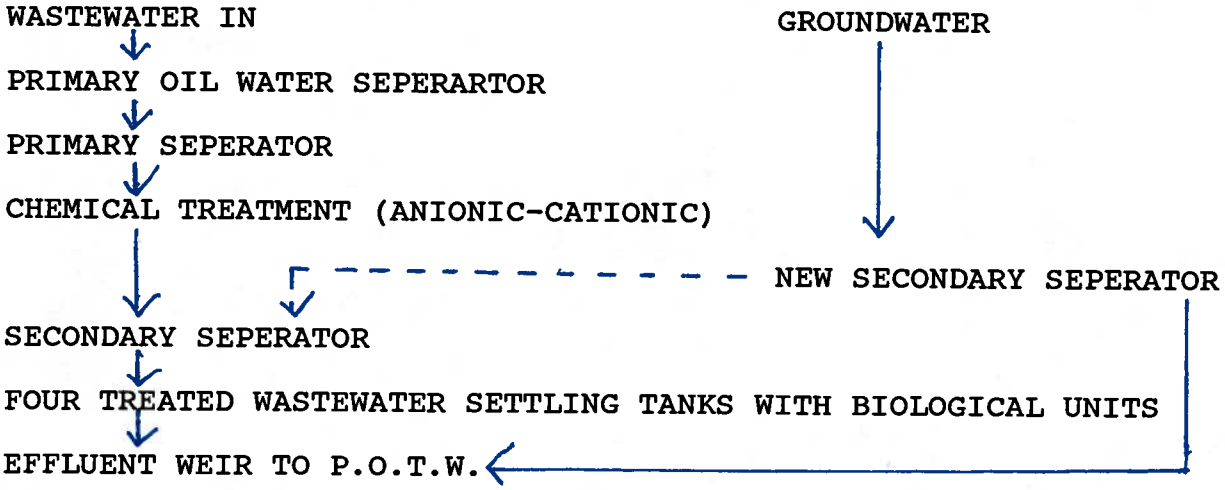

WASTEWATER PH COLUMBUS, MS FACILITY
June 1994
PH/SU
10
9
8
7
6
5
4
3
2
1
0
6.6
6.4
7.1
6.2
6.4
6.4
6.4
6.5
3
7
10
14
17
21
24
28
DAYS OF MONTH
SU
Lower Limit 5 SU

DEQ-OBC
JUL 12 1994



ATTACHMENT A

SCHEMATIC FOR WASTEWATER TREATMENT
KERR McGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION
COLUMBUS, MS



WASTEWATER ENTERS THE PRIMARY OIL WATER SEPERATOR WHERE CREOSOTE FALLS TO THE BOTTOM. WATER FLOWS FROM THE TOP OF THE OIL WATER SEPERATOR INTO A SEPERATION TANK WHERE ANY CREOSOTE LEFT IN THE WATER FALLS OUT. THE CREOSOTE THAT SETTLES OUT IN THESE TWO TANKS IS RECYCLED BACK INTO THE PRODUCTION PROCESS. THE WATER IS PUMPED AND IS CHEMICALLY TREATED FOR FURTHER CREOSOTE REMOVAL, THEN PASSES THROUGH STATIC MIXERS TO THE SECONDARY SEPERATOR. WE ARE IN THE PROCESS OF INSTALLING A SECOND SECONDARY SEPERATOR. GROUNDWATER WILL FLOW THROUGH THIS SEPERATOR THEN FLOW STRAIGHT TO THE CITY WEIR OR CONTINUE TO FLOW TO THE EXISTING SECONDARY SEPERATOR SHOULD PERMIT REQUIREMENTS NOT BE MET. PROCESS WATER AFTER CHEMICAL TREATMENT WILL FLOW THROUGH THE EXISTING SECONDARY SEPERATOR. THE CHEMICAL TREATMENT PRODUCES FLOCK. THE FLOCK THAT FALLS OUT IS RECYCLED THROUGH THE SYSTEM. THE WATER THEN FLOWS THROUGH FOUR AERATED TANKS WHERE BIOLOGICAL UNITS TREAT ANY REMAINING CONTAMINANTS. THE TREATED WATER IS THEN DISCHARGED TO THE P.O.T.W.

IN 1994 THE APPROXIMATE TOTAL PLANT FLOW WAS COMPRISED OF 59% PROCESS WATER AND 41% GROUNDWATER.

Anthony N. Helms
ANTHONY N. HELMS

MISSISSIPPI OFFICE OF POLLUTION
NPDES PERMIT ADMINISTRATIVE RECORD CHECK LIST

FACILITY Kerr-McGee Chemical Corp. NPDES NO. MSP0900021
TYPE OF PERMIT: NPDES:____ INDIVIDUAL SW:____ STATE:____ PRETREATMENT: ✓
DETERMINED TO BE: EXISTING SOURCE:____ NEW SOURCE:____ MAJOR:____ MINOR:____

These documents must be present in the Administrative Record:

DOCUMENT	YES	DATE	INITIALS
1. Application and Attachments.....	✓	11/17/93	MB
2. Prepermitting Inspection Report....	✓	02/24/94	MB
3. Draft Permit.....	✓	07/26/94	MB
4. Fact Sheet and/or Rationale and Attachments.....	✓	07/14/94	MB
5. Public Notice.....	✓	09/01/94	MB
6. Proof of Publication.....	___	___/___/___	___

These documents, if applicable, must be present in the Administrative Record:

DOCUMENT	YES	N/A	DATE
7. Other Documents (correspondence between State, EPA, and Applicant, telephone and meeting memoranda, compliance reports, etc.)	✓	✓	
LIST: _____			___/___/___
_____			___/___/___
_____			___/___/___
8. New Source Determination & Comments.....	___	✓	___/___/___
9. Public Comments Received & State Response..	___	✓	___/___/___

These documents, if applicable, need not be physically present in the Administrative Record if specifically referenced and available in the Jackson Office:

DOCUMENT	YES	N/A	AVAILABLE ELSEWHERE	WHERE?
10. Environmental Assessment EIS and/or related documents.....	___	✓	_____	_____
11. Public Hearings - P.N. of Hearing, Statements, Tape or Transcript...	___	✓	_____	_____

These remaining documents must be present in the Administrative Record:

DOCUMENT	YES	DATE	INITIALS
12. Proof of Final Permit Board Action.....	✓	10/11/94	MB
13. Final Permit and Transmittal Letter.....	✓	10/31/94	MB
14. Certified Mail-Return Receipt.....	✓	01/03/94	MB
15. PCS computer entry forms.....	✓	___/___/___	MB

CERTIFICATION: I have examined the referenced Administrative File and find the documents checked "yes" above are present in the file. Based on this examination, I certify that this file meets the Administrative Record Requirements of the current NPDES Regulations.

DATE PERMIT WRITER (RECORD CLERK)

In the case of a MAJOR DISCHARGER, the first line supervisor shall concur with the certification.

DATE SUPERVISOR

pH

Method 150.1 (Electrometric)

STORET NO.
Determined on site 00400
Laboratory 00403

1. Scope and Application
   1.1 This method is applicable to drinking, surface, and saline waters, domestic and industrial wastes and acid rain (atmospheric deposition).
2. Summary of Method
   2.1 The pH of a sample is determined electrometrically using either a glass electrode in combination with a reference potential or a combination electrode.
3. Sample Handling and Preservation
   3.1 Samples should be analyzed as soon as possible preferably in the field at the time of sampling.
   3.2 High-purity waters and waters not at equilibrium with the atmosphere are subject to changes when exposed to the atmosphere, therefore the sample containers should be filled completely and kept sealed prior to analysis.
4. Interferences
   4.1 The glass electrode, in general, is not subject to solution interferences from color, turbidity, colloidal matter, oxidants, reductants or high salinity.
   4.2 Sodium error at pH levels greater than 10 can be reduced or eliminated by using a "low sodium error" electrode.
   4.3 Coatings of oily material or particulate matter can impair electrode response. These coatings can usually be removed by gentle wiping or detergent washing, followed by distilled water rinsing. An additional treatment with hydrochloric acid (1 + 9) may be necessary to remove any remaining film.
   4.4 Temperature effects on the electrometric measurement of pH arise from two sources. The first is caused by the change in electrode output at various temperatures. This interference can be controlled with instruments having temperature compensation or by calibrating the electrode-instrument system at the temperature of the samples. The second source is the change of pH inherent in the sample at various temperatures. This error is sample dependent and cannot be controlled, it should therefore be noted by reporting both the pH and temperature at the time of analysis.
5. Apparatus
   5.1 pH Meter-laboratory or field model. A wide variety of instruments are commercially available with various specifications and optional equipment.

Approved for NPDES
Issued 1971
Editorial revision 1978 and 1982

compensators that electronically adjust for temperature differences. Refer to manufacturer's instructions.

8.4 After rinsing and gently wiping the electrodes, if necessary, immerse them into the sample beaker or sample stream and stir at a constant rate to provide homogeneity and suspension of solids. Rate of stirring should minimize the air transfer rate at the air water interface of the sample. Note and record sample pH and temperature. Repeat measurement on successive volumes of sample until values differ by less than 0.1 pH units. Two or three volume changes are usually sufficient.

8.5 For acid rain samples it is most important that the magnetic stirrer is not used. Instead, swirl the sample gently for a few seconds after the introduction of the electrode(s). Allow the electrode(s) to equilibrate. The air-water interface should not be disturbed while measurement is being made. If the sample is not in equilibrium with the atmosphere, pH values will change as the dissolved gases are either absorbed or desorbed. Record sample pH and temperature.

9. Calculation

9.1 pH meters read directly in pH units. Report pH to the nearest 0.1 unit and temperature to the nearest °C.

10. Precision and Accuracy

10.1 Forty-four analysts in twenty laboratories analyzed six synthetic water samples containing exact increments of hydrogen-hydroxyl ions, with the following results:

pH Units	Standard Deviation pH Units	Accuracy as Bias, %	Accuracy as Bias, pH Units
3.5	0.10	-0.29	-0.01
3.5	0.11	-0.00	
7.1	0.20	+1.01	+0.07
7.2	0.18	-0.03	-0.002
8.0	0.13	-0.12	-0.01
8.0	0.12	+0.16	+0.01

(FWPCA Method Study 1, Mineral and Physical Analyses)

10.2 In a single laboratory (EMSL), using surface water samples at an average pH of 7.7, the standard deviation was ±0.1.

Bibliography

1. Standard Methods for the Examination of Water and Wastewater, 14th Edition, p 460, (1975).
2. Annual Book of ASTM Standards, Part 31, "Water", Standard D1293-65, p 178 (1976).
3. Peden, M. E. and Skowron, L. M., Ionic Stability of Precipitation Samples, Atmospheric Environment, Vol. 12, pp. 2343-2349, 1978.

For Agency Use
Application Number
MSP090021
Date Received

STATE OF MISSISSIPPI
BUREAU OF POLLUTION CONTROL
P. O. BOX 10385
JACKSON, MISSISSIPPI 39209

APPLICATION FOR A STATE OPERATING PERMIT

(Please print or type)

1. Name of Applicant: Kerr-McGee Chemical Corporation
   Forest Products Division

2. Mailing Address of Applicant:

   Number & Street (P. O. Box): P. O. Box 906

   City: Columbus State: MS Zip: 39703

3. Applicant's Authorized Agent:

   Name & Title: Anthony N. Helms - Plant Manager

   Number & Street (P. O. Box): P. O. Box 906

   City: Columbus State: MS Zip: 39703

   Telephone Number: 601/328-7551

4. Facilities Location:

   Number & Street: 2300 14th Avenue and 20th Street North

   City: Columbus County: Lowndes

5. Nature of Business: Wood Preserving

6. Do you Discharge Wastewater to a POTW? X Yes _____ No
   If "Yes" Continue, if "No" go to Item 10.

   Name of POTW Receiving Wastewater: Columbus Light & Water Dept.

   Number & Street (P. O. Box): 498 Yorkville Road West

   City: Columbus County: Lowndes

Rev.10/25/84-jcs

12. **Give narrative description of process(es) producting discharge, or in the case of no discharge, that generates wastewater.**

Wastewater is produced when wood is dried in our retort. The water that comes out of the wood as well as the vacuum cooling water is treated and discharged. Groundwater recovered from our recovery system is also treated and discharged. Boiler blowdown water is also discharged.

13. **List raw materials used:** Wood, Creosote

14. **Effluent Characteristics:**

A. **You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall to the city sewer. If your facility does not have a discharge indicate so and disregard.**

Parameter	Maximum Daily Value	Maximum 30 Day Value	Long Term Average Value
BOD_5 Jan.91-Jan. 92	1260 mg/L	1489 mg/L	520 mg/L
COD Nov. 1993	1150		
TSS Jan. 91-Jan.92	160 mg/L	143 mg/L	33.94 mg/L
Ammonia Jan. 91	1.15 mg/L	0.96 mg/L	0.96 mg/L
Oil & Grease Oct. 92 - Oct 93	48 mg/L	14.25 mg/L	9.67 mg/L
pH Oct.92-Oct.93	9.8	7.0	6.61

B. **Review the substances listed in Table One and indicate which of these substances you have reason to believe may be in your discharge. For instance you may use solvents or Biocides that contain one or more of the indicated solvents. For each substance indicated you must perform at least one anlysis and report results.**

15. Treatment Units:

A. Do you provide treatment for your wastewater? __x__ Yes _____ No

B. If yes, list and describe each treatment unit and attach a line schematic of the treatment system indicating each treatment unit and a water balance.

See Attachment A

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true and correct.

Anthony N. Helms	Plant Manager
Printed Name of Applicant's Authorized Agent	Title
11/17/93	Anthony N. Helms
Date Application Signed	Signature of Authorized Agent

ATTACHMENT A

Schematic for Wastewater Treatment

Wastewater in → Primary Clarifier → Seperator
↓
Chemical Treatment
(Anionic - Cationic)
↓
Secondary Seperator
↓
4 Treated wastewater settling
tanks with biological units
↓
Effluent weir to P.O.T.W.

Wastewater enters the primary clarifier where heavy oils fall out to the bottom. Water flows from the top of the clarifier into a second separation tank where any heavy oils left in the water can fall out. The oil is pumped from the bottom of the tanks and recycled in our system. The water is pumped through chemical treatment and static mixers to the secondary seperator. The chemical treatment produces flock from the contaminants. The flock fall out in the secondary seperator is recycled in our system. The water then passes through 4 aerated tanks where biological units attack any remaining contaminants. The treated water is then discharged to the P.O.T.W.

01-706-A00015204 KERR-MCGEE CHEMICAL CORP CHECK NO. 00481518

VOUCHER NUMBER	INVOICE NUMBER	PURCHASE ORDER	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
J4296	050991	CONSENT	05-09-91	9,375.00	.00	9,375.00
RUSH --	CALL EXTENSION # 2402		DARLA C.			
					Received 5/22/91	
		TOTALS		9,375.00	.00	9,375.00

KM-4114-G
DETACH BEFORE DEPOSITING

REMITTANCE ADVICE
THE ENDORSEMENT BY PAYEE OF THE DETACHED CHECK CONSTITUTES RECEIPT IN FULL FOR THE ITEMS LISTED ABOVE

KERR-McGEE CHEMICAL CORPORATIO

KERR-McGEE CHEMICAL CORPORATION
A SUBSIDIARY OF KERR-McGEE CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

CHECK NO. 481518

TO CITIBANK DELAWARE
ONE PENN'S WAY
NEW CASTLE, DE 19720

62-20
311

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER

VOID AFTER 6 MONTHS

DATE	CHECK NO.	NET AMOUNT
05/16/91	00481518	*******9,375.0

PAY

NINE THOUSAND THREE HUNDRED SEVENTY FIVE AND 00/100 DOLLARS

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL
QUALITY
PO BOX 10385
JACKSON, MS 39289-0385

KERR-McGEE CHEMICAL CORPORATION
DISBURSING ACCOUNT

BY Thomas B. Graham

⑈00481518⑈ ⑆031100209⑆ 3871134 2⑈

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK — HOLD AT AN ANGLE TO VIEW

MAR. 8, 1991

FACILITY:	Kerr McGee Chemical Corporation
PERMIT NO:	MSP090021
LOCATION:	Columbus, Mississippi
DISCHARGE:	@ avg. .034 MGD
CLASSIFICATION:	Medium Facility
SCHEDULE MEETING:	February 20, 1991 at 1:30

A. CALCULATION OF PENALTIES

2 Major Violations at $12,500 = $25,000

B. TO SETTLE

25,000/2 = $12,500 less 25%

Upfront = $12,500

Abeyance = $25,000

Total = $37,500

C. PREVIOUS ACTIONS

None

Kerr McGee Chemical Corporation
CHRONOLOGY
(January,1989 - December 1990)

January 31, 1989 - Letter from Kerr McGee to BPC notifying discharge excursions for oil/grease and phenols in Nov/Dec , 1988 .

February 20, 1989 - Letter from Kerr McGee to BPC notifying phenols level for January 89 in excess of permit limits . Problems were as a result of major modification to waste-water treatment system .

April 20, 1989 - Letter from Kerr McGee to BPC notifying excursion in oil/grease for March, could not determine why this excursion occurred.

May 22, 1989 - Letter from Kerr McGee to BPC notifying excursion of phenols levels and were unable to give an explanation for that excursion .

June 23, 1989 - Letter from Kerr McGee to BPC notifying excursion of phenols .

June 27, 1989 - Letter from Kerr McGee to BPC notifying oil/grease levels excursion.

July 19, 1989 - Letter from Kerr McGee to BPC notifying oil/grease levels excursion.

August 18, 1989 - Letter from Kerr McGee to BPC indicating improvement in results.

December 4, 1989 - Letter from BPC to Kerr McGee notifying of significant non-compliance for May and June in oil/grease levels .

January 19, 1990 - Letter from Kerr McGee to BPC assuring that every effort will be taken to improve the timeliness and the accuracy of DMR submittal.

July 19, 1990 - Letter from Kerr McGee to BPC reporting two excursions of oil/grease and phenols due to equipment failure.

November 3, 1990 - CEI at Kerr McGee facility reveals incorrect reporting of values of oil/grease and phenol as result of wrong calculation by new superintendent.

November 14, 1990 - BPC sends telefax to Kerr McGee showing how to calculate average loading and average concentration etc.

November 21, 1990 - BPC sends letter of non-compliance to Kerr McGee as a result of the compliance evaluation inspection on November 3, 1990 .

November 16, 1990 - Kerr McGee sends BPC letter acknowledging 7 out of 10 months in 1990 of non-compliance in oil/grease and phenols as a result of revision of all the records for 1990. Also they expect to be able to present a plan for corrective action by January 1, 1991.

January 7, 1991	- Letter from Kerr McGee to BPC notifying that the existing system for oil/grease recovery was not operating efficiently.
January 24, 1991	- Letter from Kerr McGee to BPC notifying of the continuous efforts to research and investigate each upset in the system.

FACILITY: Kerr McGee Chemical Corporation

PERMIT NO.: MSP090021

LOCATION: Columbus, Mississippi

DISCHARGE: @ avg. .034 MGD

CLASSIFICATION: Medium Facility

SCHEDULE MEETING: February 20, 1991 at 1:30 p.m.

A. CALCULATION OF PENALTIES

Before	*After
2 Major Violations at $12,500	$25,000 - ($25,000 x .25)
= $25,000	= $18,750

B. TO SETTLE

$25,000/2 = $12,500	$18,750/2 = $ 9,375
Upfront = $12,500	Upfront = $ 9,375
Abeyance = $25,000	Abeyance = $18,750
Total = $37,500	Total = $28,125

C. PREVIOUS ACTIONS

None

*Penalty reduced by 25% due to WASTE MINIMIZATION RECYCLING PART OF DISCHA pollutant's reduction by reduction of flow.

Enforcement Action (ENAC)

** PERMIT #: MSP0900211 ISSUED BY : S DATE : 05-07-91 DOCKET # : 2031-91

ENFORCEMENT ACTION CODE : 21

03 - Warning Letter
21 - Administrative Order
25 - Consent Decree
56 - MCP Schedule AO-EO
79 - Judicial Admin. Decree
62 - CCP Schedule AO-EO
01 - OTHER

What is the STATUS of this Enforcement Action : CO STATUS DATE : 05-07-91

AE - Administrative Extension
AR - Administratively Resolved
CS - Closed Superceed EA
PR - Permit Revision
CL - Closed Compliance
CO - Compliance
NC - Noncompliance
RE - Resolved

Violations That Caused the Enforcement Action to be Issued were ? : 01

01 - All Numeric Effluent
02 - All Compliance Schedule
05 - All State Non-Receipt

Upfront #9,375 penalty
Abeyance #18,750 penalty

Compliance Schedule (CSCH) >>>> Data Source Code always = 04MS <<<<

PERMIT #: MSP0900211 Is this Permit covered under National Mun. Policy (Y/N) (u.d.e. #2) : N PROJECT ENGINEER : (u.d.e. #1) NYS ORDER NUMBER (docket #) : 2031-91

What is the purpose of this schedule (COMPLIANCE SCHEDULE #) TR

01 - Regular Permit Schedule
HA - State Judicial Decree
DZ - Admin. Orders for Industrials
TR - Pretreatment
MC - Enf. Sch. for Mun. Comp. Stratgy (NMP)
CC - Schedule Established by CCP

	ACTION TYPE	ACTIVITY	SCHEDULE DATE *	ACTUAL DATE *	COMMENT (optional)
	New / Modified	Schedule Description (00099)			
	New / Modified	Submit Application (P1099)			
	New / Modified	Penalty (020MS)	06-07-91	05-22-91	9375 UPFRONT PENALTY
	New / Modified	Submit Report (030MS)			
	New / Modified	Begin Construction (040MS)			
	New / Modified	Complete Construction (050MS)			
	New / Modified	Cease Discharge (060MS)			
	New / Modified	Achieve Permit Limitations (070MS)			
	New / Modified	Submit DMR (080MS)			
X	New / Modified	Submit Plans and Specifications (010MS)	06-25-91	06-25-91	PRECONDL TREATMENT EVALU
	New / Modified	Other (090MS)	09-30-91	09-29-91	COMPLIANCE EVALUATION

* ALL DATES SHOULD BE ENTERED IN MM-DD-YY FORMAT

form last revised 03/28/88

Enforcement Action (ENAC)

** PERMIT #: MSP0900211 ISSUED BY : S DATE : 05-07-91 DOCKET # : 2031-91

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05 - All State Non-Receipt

Upfront #9,375 penalty
Abeyance #18,750 penalty

Compliance Schedule (CSCH) >>>> Data Source Code always = 04MS <<<<

PERMIT #: MSP0900211 Is this Permit covered under National Mun. Policy (Y/N) (u.d.e. #2) : N PROJECT ENGINEER : (u.d.e. #1) : NYS ORDER NUMBER : (docket #) : 2031 91

What is the purpose of this schedule (COMPLIANCE SCHEDULE #) TR

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HA - State Judicial Decree
DZ - Admin. Orders for Industrials
TR - Pretreatment
MC - Enf. Sch. for Mun. Comp. Stratgy (NMP)
CC - Schedule Established by CCP

	ACTION TYPE	ACTIVITY	SCHEDULE DATE *	ACTUAL DATE *	COMMENT (optional)
	New / Modified	Schedule Description (00099)			
	New / Modified	Submit Application (P1099)			
X	New / Modified	Penalty (020MS)	05-07-91	05-22-91	9375 UPFRONT PENALTY
	New / Modified	Submit Report (030MS)			
	New / Modified	Begin Construction (040MS)			
	New / Modified	Complete Construction (050MS)			
	New / Modified	Cease Discharge (060MS)			
	New / Modified	Achieve Permit Limitations (070MS)			
	New / Modified	Submit DMR (080MS)			
X	New / Modified	Submit Plans and Specifications (010MS)	06-25-91		PHOSPHOROUS TREATMENT EVALU
	New / Modified	Other (090MS)	09-30-91		COMPLIANCE EVALUATION

* ALL DATES SHOULD BE ENTERED IN MM-DD-YY FORMAT

form last revised 03/28/88

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
DEC 14 1994
Dept. of Environmental Quality
Office of Pollution Control

December 13, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of November 1994. If you have any questions please contact me at 601/328-7551.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
NOV 30 1994
Dept. of Environmental Quality
Office of Pollution Control

November 23, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of October 1994. If you have any questions please contact me at 601/328-7551.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

FOREST PRODUCTS

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

October 31, 1994

CERTIFIED MAIL NO. P 198 322 960

Mr. Anthony N. Helms, Plant Manager
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39703

Dear Mr. Helms:

Re: Pretreatment Permit No. MSP090021
Lowndes County

Enclosed is Pretreatment Permit No. MSP090021; which is hereby reissued to Kerr-McGee Chemical Corporation. Please note the effluent limitations, schedule of compliance, monitoring requirements, and monitoring reporting dates found in this permit.

This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Sections 40-17-1, et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Please be advised that this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

If Kerr-McGee Chemical Corporation desires that a Permit Board hearing be held regarding this permit, it should make written application to the Board within thirty (30) days after the date of the Permit Board action in accordance with Section 49-17-29(4)(b) of the Mississippi Code; otherwise, the terms, conditions and limitations in the permit shall become final.

Please note that Part II; B.22 of MSP090021 requires that the permittee submit Discharge Monitoring Reports (DMR's) monthly.

If you have any questions, please contact us.

Sincerely,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosure
cc: Mr. Glenn Odom (w/attachment)
Mr. Darryail Whittington, NRO (w/attachment)
Mr. Sam Head, Jr., General Manager (w/attachment)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

October 24, 1994

RECEIVED
OCT 26 1994
Dept. of Environmental Quality
Office of Pollution Control

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of September 1994. If you have any questions please contact me at 601/328-7551.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

FOREST PRODUCTS

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

September 26, 1994

Mr. Anthony N. Helms, Plant Manager
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39703

Dear Mr. Helms:

Re: MSP090021
Lowndes County
Compliance Sampling

Enclosed is a copy of the analytical laboratory results on samples taken at Kerr McGee Chemical on August 10, 1994. These results indicate that the referenced permittee was not in compliance with the effluent limitations of their pretreatment permit for August 10, 1994. The following violation was noted.

Parameter	Permit Requirement	Sample Results
Oil and Grease	100 mg/L	587 mg/L

Please advise the office in writing by September 29, 1994, of the probable causes of these violations and any remedial actions taken to assure future compliance with permit conditions.

If you have any questions concerning this matter, please contact us at 961-5171.

Respectfully,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosure
cc: Mr. Paul Zetterholm, OPC (w/enclosure)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
SEP 26 1994
Dept. of Environmental Quality
Office of Pollution Control

September 19, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of August 1994. Please note that on split samples taken August 10, 1994, the oil and grease was 200 mg/l. This exceeds our permit limit of a daily maximum of 100 mg/l. This exceedence was likely due to dewatering of a construction site which overloaded our secondary oil/water separator. This dewatering has been discontinued and our process has been returned to normal operation. A new secondary oil/water separator is in the process of being installed. This will prevent any future problems with overloading of the system. Construction of this oil/water separator should be complete within the next month. If you have any questions please contact me at 601/328-7551.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock
K. Hood - City of Columbus

FOREST PRODUCTS

PHONE CONVERSATION RECORD

Talked with Mr. Tony Helms Date 9-16-94 Time _____ a.m. p.m.

Of Kerr-McGee (Company) Phone No. _____

Re _____

☐ I placed call ☐ Party called

My ☐ message ☐ reply _____

Party's ☒ message ☐ reply They were out-of-compliance for the month of Aug '94 (Oil and Grease).

Action or follow-up necessary _____

Refer to _____ ☑ File

Signed MB

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

August 22, 1994

Postmaster
Columbus,
Mississippi 39701

Dear Sir:

Re: Kerr-McGee Chemical Corporation
Forest Products Divison
Columbus/Lowndes

Please post the attached public notice in your post office on or before September 1, 1994.

If you are unable to do so or if you have any questions, please advise.

Very truly yours,

Harriette Payne, Secretary
Industrial Wastewater Control Branch

HDP:ap
Attachment

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

August 22, 1994

Mr. Anthony N. Helms, Plant Manager
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39703

Dear Mr. Helms:

Re: MSP090021
Lowndes County

Shortly the Mississippi Department of Environmental Quality Permit Board intends to reissue the referenced State of Mississippi Pretreatment Permit. The enclosed draft permit contains conditions which we intend to incorporate as part of your final permit. Also enclosed is a Public Notice dated September 1, 1994, which is the beginning of a 30-day comment period during which the general public's input and comments are invited. If you have not already done so, you are also invited to submit written comments by no later than September 30, 1994. A decision regarding the proposed reissuance will be made by the Permit Board after all public comments have been duly considered.

Should you have any questions or wish to discuss this matter, please contact me at 601/961-5171.

Sincerely,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosures
cc: Mr. Sam Head, Jr., General Manager

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
AUG 22 1994
DEQ-OPC

August 16, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of July, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

Forest Products

MRB

S. A. HEAD, Jr.
GENERAL MANAGER

COLUMBUS
LIGHT AND WATER DEPARTMENT
P.O. Box 949
Columbus, Mississippi 39703
Telephone: (601) 328-7192
Fax: (601) 243-7408

ROBERT C. GRONDIN
COMPTROLLER

RECEIVED
AUG 22 1994
Dept. of Environmental Quality
Office of Pollution Control

August 15, 1994

Mr. Milton Brumfield
Industrial Pretreatment Section
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

RE: Kerr-McGee Chemical Corporation
Draft Pretreatment Permit MSP090021
Lowndes County

Dear Mr. Brumfield:

In response to your letter of July 26, 1994 concerning the contents of the referenced Draft Pretreatment Permit, we make the following comments: We believe the proposed limits for Total Phenols, if allowed, would cause a plant upset. Based upon our plant's previous treatment and discussion with Kerr-McGee's Tony Helms, we suggest the following limit for Total Phenols:

kg/day (lbs/day)		Other Units	
Monthly Avg.	Monthly Max.	Monthly Avg.	Monthly Max.
14.8 (32.6)	22.2 (48.8)	52 mg/L	78 mg/L

If you have any comments about this suggestion, please notify me at 243-7445 prior to issuing the final permit.

Sincerely,

Kenneth Hood

Kenneth Hood
Wastewater Plant Supervisor

MRB

COLUMBUS
LIGHT AND WATER DEPARTMENT
P.O. Box 949
Columbus, Mississippi 39703
Telephone: (601) 328-7192
Fax: (601) 243-7408

S. A. HEAD, Jr.
GENERAL MANAGER

ROBERT C. GRONDIN
COMPTROLLER

August 15, 1994

Mr. Milton Brumfield
Industrial Pretreatment Section
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

RE: Kerr-McGee Chemical Corporation
Draft Pretreatment Permit MSP090021
Lowndes County

Dear Mr. Brumfield:

In response to your letter of July 26, 1994 concerning the contents of the referenced Draft Pretreatment Permit, we make the following comments: We believe the proposed limits for Total Phenols, if allowed, would cause a plant upset. Based upon our plant's previous treatment and discussion with Kerr-McGee's Tony Helms, we suggest the following limit for Total Phenols:

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14.8 (32.6)	22.2 (48.8)	52 mg/L	78 mg/L

If you have any comments about this suggestion, please notify me at 243-7445 prior to issuing the final permit.

Sincerely,

Kenneth Hood

Kenneth Hood
Wastewater Plant Supervisor

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1

To	Milton Brumfield	From	Kenneth Hood
Co.	DEQ - Ind. Pre. Sec.	Co.	Columbus Light & Water

NRS

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

To: Milton Brumfield
From: Dewitt Spurgeon NRO
Date: August 10, 1994

Subject: Compliance Monitoring
Kerr McGee Chemical
Permit # 90021
Lowndes County

On August 10, 1994, Clift Jeter and I traveled to Lowndes County, to collect grab samples at the above facility. We met with Mr. A. N. Helms, Plant Manager.

The water we sampled at discharge point 001, was brown in color with a slight odor. The pH of the water we sampled was 7.2 and the flow was .038284 mgd.

We found no problems during our inspection at this facility.

DS:ds

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

July 26, 1994

Mr. Anthony N. Helms, Plant Manager
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39703

Dear Mr. Helms:

Re: Pretreatment Permit MSP090021
Lowndes County
Draft Permit

Shortly, the Mississippi Department of Environmental Quality Permit Board intends to reissue to the above facility a State of Mississippi Pretreatment Permit. The enclosed draft permit contains conditions which we intend to incorporate as part of your final permit.

Please note the effluent limitations, schedule of compliance, monitoring requirements, and monitoring reporting dates in Part I of the permit.

Please be advised that this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works. Additionally, the POTW Authority is being given an opportunity to comment on the enclosed draft permit.

If you have any comments concerning the information transmitted herewith, please notify this office in writing by August 19, 1994.

Respectfully,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosures

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

July 26, 1994

Mr. Sam Head, Jr., General Manager
Columbus Light and Water Department
P. O. Box 949
Columbus, Mississippi 39703

Dear Mr. Head:

Re: Kerr-McGee Chemical Corporation
Pretreatment Permit MSP090021
Lowndes County

Shortly, the Mississippi Department of Environmental Quality Permit Board intends to reissue the above referenced facility a State of Mississippi Pretreatment Permit. The enclosed draft permit contains conditions which we intend to incorporate as part of the final permit.

Please note the effluent limitations, general prohibitions, and notification requirements found in Part I of the permit.

If you have any comments concerning the contents of this permit, please notify this office in writing by August 19, 1994.

Sincerely,

Milton Brumfield
Industrial Wastewater Control Branch

MRB:ap
Enclosures

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

MEMORANDUM

TO: MILTON BRUMFIELD

FROM: MIKE FREIMAN

SUBJECT: Adequacy of Treatment / KERR-McGEE / COLUMBUS

DATE: JULY 26 1994

A request has been made for an adequacy of treatment review for KERR-McGEE CHEMICAL to discharge approximately 0.075 MGD into the CITY of COLUMBUS wastewater treatment facility (NPDES Permit No. MS00 23868). This facility is currently in compliance with all parameters as described in its NPDES Permit and it will provide adequate treatment for the wastewater described in the attached pages

MEMORANDUM

TO: Mike Freiman

From: Milton Brumfield MB

SUBJECT: Adequacy of Treatment- Kerr-McGee Chemical Corporation Columbus POTW (MS0023868)

DATE: July 20, 1994

I am reissuing the Kerr-McGee Chemical Corporation's permit (MSP090021) and I need an adequacy of treatment statement for the Columbus POTW. The average of the maximum flows over the last twelve months is .056 MGD and they are requesting that it be increased to a maximum of .075 MGD. The limits will be as follows:

	Avg.	MAX.
Total Phenols	260 mg/L	390 mg/L
Total Chromium	------	2.36 mg/L
Total Copper	------	2.95 mg/L
Total Arsenic	------	2.36 mg/L
Oil and Grease	------	59 mg/L
Pentachlorophenol	1.19 mg/L	1.79 mg/L
Flow		.075 MGD

Please advise if any addition information is needed. I appreciate your assistance.

MEMORANDUM

TO: Mike Freiman

From: Milton Brumfield

SUBJECT: Adequacy of Treatment- Kerr-McGee Chemical Corporation Columbus POTW (MS0023868)

DATE: July 20, 1994

I am reissuing the Kerr-McGee Chemical Corporation's permit (MSP090021) and I need an adequacy of treatment statement for the Columbus POTW. The average of the maximum flows over the last twelve months is .056 MGD and they are requesting that it be increased to a maximum of .075 MGD. The limits will be as follows:

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Pentachlorophenol	1.19 mg/L	1.79 mg/L
Flow		.075 MGD

Please advise if any addition information is needed. I appreciate your assistance.

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

DEPT OF ENVIRONMENTAL QUALITY
REC'D
JUL 1 1 1994

July 8, 1994

Milton Brumfield
Department of Environmental Quality
Bureau of Pollution Control
Industrial Wastewater Control Branch
2380 Hwy. 80 West
Jackson, MS 39204

RE: Kerr-McGee Chemical Corporation
Forest Products Division
Columbus, MS Facility
MSP090021
Lowndes County
Wastewater Permit Reapplication

Please find enclosed a reapplication form for our facility. I have made some changes to the original reapplication. If further information is required, please advise.

Sincerely,

KERR-McGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

ANH/tjj

Enclosure

cc: N. E. Bock

FOREST PRODUCTS

SANDERSON
Plumbing Products Inc.

Post Office Box 1367
Columbus, MS 39703
(601) 328-4000
FAX # (601) 329-4362

☐ MAGNOLIA
☐ BENEKE®
☐ Expressions. By Beneke
☐ SanTran. Inc. Transportation Co.

TRANSMITTAL COVER SHEET

TO: FRANCES GRILLO OFFICE OF RECORDS (601) 354 6965
FROM: PATRICK JOHNSON
DATE: 6/15/94 TIME: 4:00
NUMBER OF PAGES: 2 including cover sheet

MESSAGE:

Frances

Hard copy will follow

Patrick

If you do not receive all pages, please notify sender as soon as possible at (601) 328-4000.

SANDERSON
Plumbing Products Inc.

June 15, 1994

Frances Grillo
Department of Environmental Quality
Office of Records
P.O. Box 10385
Jackson, MS 39209

Dear Frances:

I am writing to inform you that I will be coming to Jackson on Wednesday June 22, 1994 and would like to review some records on that date. The records I would like to review are:

Sanderson Plumbing Products- Air File
Sanderson Plumbing Products- Water File
Kerr McGee Forest Products Division- Land Remediation File
Kerr Mcgee Forest Products Division- Hazardous Waste File
Kerr Mcgee Forest Products Division- Water Discharge File

-The Kerr McGee plant referred to is located in Lowndes County in Columbus. This is not to be confused with the Hamilton Plant.-

If there are any problems with these requests, please feel free to contact me at (601)328-4000.

Sincerely,

Patrick Johnson
Environmental Coordinator

Post Office Box 1367 Columbus, Mississippi 39703-1367 (601) 328-4000 Fax 601-329-4362

SANDERSON
Plumbing Products Inc.

June 15, 1994

Frances Grillo
Department of Environmental Quality
Office of Records
P.O. Box 10385
Jackson, MS 39209

Dear Frances:

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If there are any problems with these requests, please feel free to contact me at (601)328-4000.

Sincerely,

Patrick Johnson
Environmental Coordinator

Post Office Box 1367 Columbus, Mississippi 39703-1367 (601) 328-4000 Fax 601-329-4362

INTAKE SHEET FOR REQUEST FOR ACCESS TO PUBLIC RECORDS

DATE: June 13, 1994

NAME: PATRICK JOHNSON TELEPHONE NUMBER: 328-4000

COMPANY NAME: SANDERSON PLUMBING PRODUCTS, INC.

ADDRESS: P. O. BOX 1367, COLUMBUS, MS 39703-1367

DOCUMENT INFORMATION

D Glynn Sandy

1. FACILITY: SANDERSON PLUMBING PRODUCTS

   COUNTY: LOWNDES DIVISION: AIR

Ann

2. FACILITY: SANDERSON PLUMBING PRODUCTS

   COUNTY: LOWNDES DIVISION: SURFACE WATER;NPDES

Ann

3. FACILITY: KERR MCGEE CHEMICAL CORP.

   COUNTY: LOWNDES DIVISION: SURFACE WATER;PRETREATMENT

4. FACILITY: KERR MCGEE FOREST PRODUCTS

   COUNTY: LOWNDES DIVISION: HAZARDOUS WASTE;RCRA

APPOINTMENT TIME AND DATE: JUNE 22, 1994 - 10:00

BILLING INFORMATION

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PAYMENT RECEIVED: BILL ORGANIZATION: X

PUBLIC RECORDS ADMINISTRATOR
FRANCES MARIE GRILLO
(601) 961-5666

F Grillo

PERSON REVIEWING FILES:

Patrick Johnson

COMMENTS: SANDY AND ANN HAVE BEEN GIVEN REQUEST

THIS IS NOT A BILL - DO NOT PAY
BILLING DEPARTMENT WILL FORWARD INVOICE W/IN 10 DAYS

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

May 16, 1994

Mr. Anthony Helms
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39701

Dear Mr. Helms:

Re: MSP090021
Lowndes County
Discharge Monitoring Reports

After careful review of your discharge monitoring reports for the previous reporting period, the following were noted:

The maximum loading for Phenols was not listed on the DMR and the DMR was not signed.

Enclosed is the DMR that needs to be completed. If you have any questions, please advise.

Respectfully,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUN - 7 1994
DEQ-OPC

June 6, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of May, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

A. N. Helms 1sgd

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

Forest Products

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

May 18, 1994

RECEIVED
MAY 19 1994
DEQ-OPC

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the completed Discharge Monitoring Report for the month of April, 1994. Thank you for bringing this to our attention. We apologize for any inconvenience this may have caused you. If you have any questions, please advise.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

FOREST PRODUCTS

Watkins Ludlam & Stennis

Attorneys at Law

William F. Winter
Robert H. Weaver
John Hampton Stennis
Thomas W. Crockett
John H. Holloman III
Ernest G. Taylor, Jr.
Randall B. Wall
David B. Grishman
Robert E. Hauberg, Jr.
Jim B. Tohill
Peyton S. Irby, Jr.
C. York Craig, Jr.
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David L. Martin
James L. Jones
Zachary Taylor III
William N. Reed
Richard G. Cowart
Robert S. Lazarus
Allan P. Bennett
Barry K. Cockrell
Martha Ross Thomas
Neil P. Olack
L. Keith Parsons

Jonell B. Williamson
Neville H. Boschert
Kathryn H. Hester
Gina M. Jacobs
Mark T. Davis
Thomas B. Shepherd III
H. Mitchell Cowan
Alveno N. Castilla
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W. Whitaker Rayner
Stephen M. Roberts
Michael T. Dawkins
Robert B. House
Stuart G. Kruger
Ben J. Piazza, Jr.
Dennis W. Miller
Jeffrey R. Barber
Roland M. Slover
William B. Grete
Jennifer R. Crowson
Ricky G. Luke
Cheryn L. Netz
J. Chase Bryan
Kristina M. Johnson

633 North State Street
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Jackson, Mississippi 39205-0427

Telephone (601) 949-4900
Telecopy (601) 949-4804

H. Vaughan Watkins
(1884-1944)

Warren V. Ludlam, Jr.
Peter C. Ward
Of Counsel

John B. Little, Jr.
Director of Administration

Writer's Direct No.

(601) 949-4793

May 16, 1994

Ms. Frances M. Grillo
Public Records Administrator
P.O. Box 20305
Jackson, MS 39289-1305

Re: Mississippi Public Records Act of 1983

Dear Ms. Grillo:

Pursuant to the Mississippi Public Records Act of 1983, I request that the Mississippi Department of Environmental Quality ("DEQ") make available to me the NPDES permit file on the following permit holder:

Permit No.	Facility Name	Facility Type	County
MSP090021	Kerr-McGee (Columbus)	I	Lowndes

It is my understanding that this file is a "public record" as that term is defined in Miss. Code § 25-61-3(b). I request that I be provided an opportunity to inspect and make copies from this file.

Thank you for your attention to this matter. Please call me if you have any questions.

Sincerely,

Michael D. Mathews
Legal Assistant

MDM:bm

KERR-MCGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAY 13 1994
DEQ-OPC

May 12, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of April, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

Forest Products

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
APR 18 1994
DEQ-OPC

April 15, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of March, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

March 11, 1994

Mr. Anthony Helms
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39701

Dear Mr. Helms:

Re: Permit No. MSP090021
Lowndes County

Enclosed is a copy of the Compliance Evaluation Inspection Report completed as a result of this office's inspection at Kerr-McGee Chemical Corporation on February 24, 1994. The report should be used by you as a guide for complying with requirements and limitations stated in your pretreatment permit. The inspection indicated that the facility was in compliance.

If you have any questions concerning this matter, please contact us at 961-5171.

Respectfully,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosures
cc: Mr. Paul Zetterholm (w/attachment)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

March 2, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of February, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

Forest Products

KERR-MCGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
FEB 23 1994
Dept. of Environmental Quality
Office of Pollution Control

February 21, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of January, 1994.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JAN 18 1994
DEQ-OPC

January 17, 1994

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of December, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

FOREST PRODUCT

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

January 3, 1994

Mr. Anthony N. Helms, Plant Manager
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, Mississippi 39703

Dear Mr. Helms:

Re: MSP090021
Lowndes County

This office received your pretreatment permit application on November 19, 1993. After careful review of your application, the following deficiency was noted.

1. The concentration for Phenol was not given on Item 14.b.

Enclosed is the pretreatment permit application that should be corrected and returned to this office by January 20, 1994. If you have any questions, please advise.

Sincerely,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
cc: Nona Yates, OPC/DEQ

KERR-MCGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JAN 10 1994
DEQ-OPC

January 7, 1994

Milton Brumfield
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

RE: MSP909921 Lowndes County

Dear Mr. Brumfield:

Enclosed please find pretreatment permit application with the deficiency correction noted on your January 3, 1994 correspondence. I apologize for any inconvenience this has caused you. If further information is required please contact me at 601/328-7551.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

ANH/tjj

FOREST PRODUCTS

KERR-MCGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
DEC 20 1993
DEQ-OPC

December 17, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of December, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

FOREST PRODUCTS

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

November 22, 1993

Mr. Anthony N. Helms, Plant Manager
Kerr-McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39703

Dear Mr. Helms:

Re: Permit Application No. MSP090021
Date Received - November 19, 1993

Pursuant to State Law, this is to acknowledge receipt of your permit application.

Sincerely,

Harriette Payne, Secretary
Industrial Wastewater Control Branch

HP
cc: Nona Yates, DEQ/OPC
Milton Brumfield, DEQ/OPC ← THIS COPY FOR

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

November 18, 1993

RECEIVED
NOV 19 1993
DEQ-OPC

Milton Brumfield
Department of Environmental Quality
Bureau of Pollution Control
Industrial Wastewater Control Branch
P. O. Box 10385
Jackson, MS 39289-0385

RE: Kerr McGee Chemical Corporation
Forest Products Division
Columbus, MS Facility
MSP090021
Lowndes County
Wastewater Permit Reapplication

Please find enclosed a reapplication form for our facility. If further information is needed please advise.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

AHN/tls

Enclosure

cc: N. E. Bock

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

November 15, 1993

RECEIVED
NOV 16 1993
Dept. of Environmental Quality
Office of Pollution Control

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of October, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

[illegible] FRANCES GRILLO

I WOULD LIKE TO REVIEW THE FOLLOWING FILES ON THURSDAY OCT 21, 1993

JOHNSTON-TOMBIGBEE AIR FILE FOR PLANT #1

KERR-McGEE PRETREATMENT FILE PERTAINING TO THE REMEDIATION IN COLUMBUS, MS.

Lowndes County

Thank You

PATRICK JOHNSON
SANDERSON PLUMBING PRODUCTS
1 TUFFY LN
COLUMBUS MS 39703

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

FILE COPY

October 25, 1993

Mr. John Getz
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

Re: MSP090021
Lowndes County

As you are probably aware, the subject wastewater discharge permit expires on May 22, 1994. State and Federal regulations require that a permittee who wishes to continue to operate under such permit shall submit a written request to the Director for reissuance at least 180 days prior to the expiration date of a State law and regulation. In order that the permit can be reissued in a timely manner, we request that you complete the enclosed reapplication form and return it to this office by November 22, 1993.

We solicit your cooperation and assistance is this matter in order to minimize administrative delays in reissuance.

If you have any questions about the information necessary to complete this form, please advise.

Sincerely,

Milton Brumfield
Industrial Wastewater Control Branch

MRB:ap
Enclosure

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
OCT 18 1993
DEQ-OPC

October 13, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of September, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

Forest Products

FILE COPY

File-Lowndes

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

September 23, 1993

Mr. John Getz
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

Re: MSP090021
Lowndes County
Compliance Sampling

Enclosed is a copy of the analytical laboratory results on samples taken at Kerr-McGee on August 9, 1993. These results indicate that the referenced permittee was in compliance with the effluent limitations of their pretreatment permit for August 9, 1993. We appreciate your efforts in maintaining water quality and encourage the continued success at your facility.

If you have any questions or if we can be of assistance, please advise.

Respectfully,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosure
cc: Mr. Paul Zetterholm, OPC (w/enclosure)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
SEP 10 1993
DEQ-OPC

September 7, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of August, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: N. Bock

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
AUG 23 1993
DEQ-OPC

August 19, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Milton Brumfield

Dear Mr. Brumfield:

Attached, please find the Discharge Monitoring Report for the month of July, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Anthony N. Helms

Anthony N. Helms
Plant Manager

Enclosures

ANH/tjj

cc: J. H. Bull

FOREST PRODUCTS

File-Lowndes

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

TO: N. Salem
FROM: Lynne Burrell, NRO
DATE: August 11th, 1993

SUBJECT: Kerr McGee Chemical
#90021
Lowndes County

On August 9th, 1993, I traveled to the above facility to collect water samples from their Pretreated Wastewater and Boiler Blowdown at Discharge Number: 001. I met with Anthony Helms, Acting Plant Manager. Mr. Helms accompanied me to the sampling point.

I collected our grab samples at the V-Notch Weir just prior to discharge. The water was clear in color with no foam or odor. The pH of this water was 6.0. They did not have a flow reading for the last twenty-four hours. The flow for the next twenty-four hours through August 10th, 1993, was 14,357 gallons.

I found no problems during this sampling and inspection period.

If I can be of further assistance, please advise.

LB:h

File - Lowndes

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUL 12 1993
Dept. of Environmental Quality
Office of Pollution Control

To Millsap Brumfield

July 7, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of June, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

John J. Getz
Plant Manager

Enclosures

JJG/tjj

cc: J. H. Bull

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUN - 9 1993
Dept. of Environmental Quality
Office of Pollution Control

June 8, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of May, 1993.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

John J. Getz
Plant Manager

Enclosures

JJG/tjj

cc: J. H. Bull

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAY 11 1993
DEQ-OPC

May 7, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of April, 1993.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

Copy to: J. H. Bull

FOREST PRODUCTS

FILE COPY

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

MEMORANDUM

TO: File - Kerr-McGee Chemical Co. (MSP090021)

FROM: Milton Brumfield

SUBJECT: Compliance Evaluation Inspection (CEI)

DATE: April 23, 1993

On April 8, 1993, I met with Mr. Anthony Helms of Kerr-McGee Chemical Co. for a compliance evaluation inspection. I was given a tour of the facility and grounds by Mr. Helms. The waste water is generated from storm-water, process water, and remediation water. Mr. Helms informed me that the belowground separator will soon be discontinued from operation. The aerated tanks that are also a component of the pretreatment process had no containment. I compared a sample of bench sheets with the corresponding DMR's and they were in order. No problems were noted.

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
APR 20 1993
Dept. of Environmental Quality
Office of Pollution Control

April 19, 1993

Mississippi Dept. of Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, Ms. 39209

Attention: Milton Brumfield

Dear Mr. Brumfield

During your recent audit of our facility it was brought to our attention that the flow was not recorded on our December 1992 Discharge Monitoring Report. Please find enclosed a corrected copy of that report. I apologize for any inconvenience this might have caused you. Measures will be taken to prevent this type of situation from reoccuring again.

Sincerely,

Anthony N. Helms

Anthony N. Helms

cc: J.H. Bull

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

FILE COPY

April 12, 1993

Mr. John Getz
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

Re: Permit No. MSP090021
Lowndes County

Enclosed is a copy of the compliance evaluation inspection report completed as a result of this office's inspection at Kerr-McGee Chemical Corporation on April 8, 1993. The report should be used by you as a guide for complying with requirements and limitations stated in your pretreatment permit. The inspection indicated that the facility was in compliance.

If you have any questions concerning this matter, please contact us at 961-5171.

Respectfully,

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosures
cc: Mr. Paul Zetterholm (w/attachment)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
APR - 8 1993
Dept. of Environmental Quality
Office of Pollution Control

April 6, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Namen Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of March, 1993.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

Copy to: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAR - 5 1993
DEQ

March 4, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of February, 1993.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

File
Lowndes

FILE COPY

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

February 9, 1993

Mr. John J. Getz, Plant Manager
Kerr McGee Wood Processing
P.O. Box 906
Columbus, Mississippi 39703-0906

Dear Mr. Getz:

Re: Pretreatment Section
Compliance Sampling

Enclosed is a copy of the analytical laboratory results on samples taken at Kerr McGee Wood Processing on August 25, 1992. These results indicate that the referenced permittee was in compliance with the effluent limitations of their pretreatment permit for August 25, 1992. We appreciate your efforts in maintaining water quality and encourage the continued success at your facility.

If you have any questions or if we can be of assistance, please advise.

Respectfully,

Milton Brumfield

Milton Brumfield
Industrial Pretreatment Section

MRB:ap
Enclosure
cc: Mr. Paul Zetterholm, OPC (w/enclosure)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
FEB 10 1993
DEQ-OPC

February 9, 1993

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of January, 1993.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
DEC 10 1992
Dept. of Environmental Quality
Office of Pollution Control

December 9, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of November, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
NOV 10 1992
Dept. of Environmental Quality
Office of Pollution Control

November 6, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of October, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
SEP 8 - 1992
Dept. of Environmental Quality
Office of Pollution Control

September 4, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of August, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
OCT - 7 1992
Dept. of Environmental Quality
Office of Pollution Control

October 5, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of September, 1992.

Sincerely,

John J. Getz

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

File - Lowndes

DW

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

JAMES I. PALMER, JR.
EXECUTIVE DIRECTOR

TO: N. Salem
FROM: Dewitt Spurgeon, NRO
DATE: August 26th, 1992

SUBJECT: O&M/Sampling
Kerr McGee Wood Products
#90021
Lowndes County

On August 25th, 1992, Clift Jeter and I traveled to the above facility to collect water samples from their Pretreated Wastewater and Boiler Blowndown at Discharge Number: 001. We met with Mr. Charles Swan, Quality Control Tech. Mr. Swan accompanied us to the sampling point.

We collected our grab samples at the weir just prior to discharge. The water we sampled was black in color with no foam or odor. The pH of this water was 7.63 and their flow for the last twenty-four hours was 5000 gallons.

We found no problems during this sampling and inspection period.

If we can be of any further assistance, please advise.

DS:c

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
AUG 13 1992
Dept. of Environmental Quality
Office of Pollution Control

August 10, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of July, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUL - 9 1992
DEQ-OPC

July 7, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of June, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUN 11 1992
Dept. of Environmental Quality
Office of Pollution Control

June 9, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of May, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG:tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
APR 10 1992
Dept. of Environmental Quality
Office of Pollution Control

April 7, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached please find the Discharge Monitoring Report for the month of March, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

March 5, 1992

RECEIVED
MAR 9 - 1992
Dept. of Environmental Quality
Bureau of Pollution Control

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached please find the Discharge Monitoring Report for the month of February, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
FEB 25 1992
Dept. of Environmental Quality
Bureau of Pollution Control

February 24, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached please find the Discharge Monitoring Report for the month of January 1992.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JAN 14 1992
Dept. of Environmental Quality
Bureau of Pollution Control

January 10, 1992

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of December 1991.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

December 11, 1991

RECEIVED
DEC 16 1991
Dept. of Environmental Quality
Bureau of Pollution Control

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attn: Nameh Salem

Dear Mr. Salem:

Attached please find the Discharge Monitoring Report for the month of November, 1991.

Sincerely,

John J. Getz,
Plant Manager

cc: J. H. Bull

JJG/tlr

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY
RAY MABUS
GOVERNOR

FILE COPY

November 19, 1991

Mr. J. J. Getz, Plant Manager
Kerr McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

Re: Permit No. MSP090021
Compliance Evaluation Inspection - CEI

Enclosed is a copy of the compliance evaluation inspection report completed as a result of this office's inspection at the Kerr McGee facility in Columbus, Mississippi on November 12, 1991. The report should be used by you as a guide for complying with requirements and limitations stated in your pretreatment permit. The inspection indicated that the facility was in compliance.

If you have any questions concerning this matter, please contact us at 961-5171.

Respectfully,

Nameh Salem
Industrial Pretreatment Section

NS:els
Enclosures
cc: Mr. Paul Zetterholm (w/attachment)

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY
RAY MABUS
GOVERNOR

MEMORANDUM

TO: File - Kerr McGee Chemical Corporation

FROM: Nameh Salem

SUBJECT: Compliance Evaluation Inspection - CEI

DATE: November 12, 1991

On the above date, I performed a CEI at the said facility in Columbus, Mississippi. I met Mr. J. J. Getz, plant manager, and Mr. Tony Helms, assistant plant manager. We all toured the facility and the following observations were noted:

A. The treatment system was in operation during the inspection. The treatment system consists of two units:

1. Primary and secondary oil/water separators for recovery of creosote.

    a. New V-notch weir plate was installed thus distributing the flow evenly across the entire cross-sectional area of the separator and eliminated the short-circuiting of the flow in the primary oil/water separator. The efficiency of removal and recovery of preservative from the system has been increased.

2. Biological treatment system.

    a. This system has been added recently to remove phenol from wastewater prior to discharge into the sewer system. Three equalizing tanks have been converted for this purpose with the addition of aeration equipment to utilize the system as an aerobic biological system for the removal of phenol.

B. The facility has been in compliance with pretreatment permit limitations and has satisfied all the items required per the Agreed Order issued last May 1991.

C. Records for DMR reporting were verified to be accurate and correct.

NS:els

FILE COPY

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY
RAY MABUS
GOVERNOR

MEMORANDUM

TO: File - Kerr McGee Chemical Corporation

FROM: Nameh Salem

SUBJECT: Compliance Evaluation Inspection - CEI

DATE: November 12, 1991

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B. The facility has been in compliance with pretreatment permit limitations and has satisfied all the items required per the Agreed Order issued last May 1991.

C. Records for DMR reporting were verified to be accurate and correct.

NS:els

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
NOV 18 1991
Dept. of Environmental Quality
Bureau of Pollution Control

November 7, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Mr. Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of October 1991.

Sincerely,

John J. Getz
Plant Manager

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
OCT 16 1991
Dept. of Environmental Quality
Bureau of Pollution Control

October 14, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of September 1991.

Sincerely,

John J. Getz
Plant Manager

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
SEP - 9 1991
DEQ-OPC

September 5, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of August, 1991.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
AUG 9 - 1991
Dept. of Environmental Quality
Bureau of Pollution Control

August 7, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of July, 1991.

Sincerely,

John J. Getz
Plant Manager

JJG/tlr

cc: J. H. Bull

FILE COPY

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

July 12, 1991

Mr. J. J. Getz, Plant Manager
Kerr McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

Re: MSP090021
Compliance Sampling

Enclosed is a copy of the analytical laboratory results on samples taken at Kerr McGee facility in Columbus, Mississippi on May 15, 1991. These results indicate that the referenced permittee was in compliance with the effluent limitations of their pretreatment permit for the month of May, 1991. We appreciate your efforts in maintaining water quality and encourage the continued success at your facility.

If you have any questions or if we can be of assistance, please advise.

Respectfully,

Nameh Salem
Industrial Pretreatment Section

NS:els
Enclosure
cc: NRO (w/enclosure)
Mr. Paul Zetterholm, OPC (w/enclosure)

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUL 08 1991
Dept. of Environmental Quality
Bureau of Pollution Control

July 5, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of June, 1991.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

VIA CERTIFIED MAIL

KERR-McGEE CHEMICAL CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

June 25, 1991

Mr. Barry S. Royals, P. E., Chief
Surface Water Division
Department of Environmental Quality
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 38289-0385

Re: Kerr-McGee Chemical Corporation
Forest Products Division
Columbus, MS Facility
Agreed Order #2031-91

Dear Mr. Royals:

In accordance with Agreed Order #2031-091, Kerr-McGee Chemical Corporation, Forest Products Division (KMCC/FPD), has completed the evaluation of the existing physicochemical wastewater treatment facility at our Columbus, MS facility. The purpose of the evaluation was to determine if additional treatment for the removal of phenolics would be necessary in order to comply with the facility's wastewater pretreatment permit. The results of the evaluation indicated that the existing physicochemical treatment system has been capable of meeting the phenols limit since it was upgraded in the first quarter of 1991. However, KMCC/FPD has decided to install a biological system to ensure long term compliance with the pretreatment permit.

The proposed biological pretreatment system will utilize three of the final effluent tanks as an aerobic biological pretreatment system. The surface aerators will be installed in tanks in accordance with the evaluation conducted by an independent professional engineer.

The Agreed Order requires that the additional treatment measure be installed by December 25, 1991. At that time KMCC/FPD would enter into a three month compliance period designed to demonstrate compliance with the phenols limit. It is KMCC/FPD's desire to improve upon that schedule provided equipment delivery and installation can be expedited. In that event, KMCC/FPD will notify the Mississippi Bureau of Pollution Control upon completion of the project and KMCC/FPD's desire to enter into the compliance demonstration prior to the scheduled January 1, 1992.

Should you or your staff have any questions, do not hesitate to contact either John Getz, Plant Manager, at 601/328-7551 or me at 405/270-2391.

Sincerely,

KERR-McGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Jeffrey H. Bull
Manager Environmental,
Regulatory Affairs,
Operations East

RECEIVED
JUL - 1 1991
Dept. of Environmental Quality
Bureau of Pollution Control

JHB:dbc

cc: J. J. Getz

Forest Products

FILE COPY

June 23, 1981

Mr. G. D. Lowe
Kerr McGee
P. O. Box 906
Columbus, Mississippi 39701

Dear Mr. Lowe:

Re: Permit Application

The State of Mississippi is authorized to issue State permits in accordance with provisions of the Mississippi Air and Water Pollution Law, Section 49-17-1 through 49-17-43, Mississippi Code of 1972. Therefore, please complete the enclosed State application to the best of your knowledge and submit the signed application to the Bureau of Pollution Control by July 30, 1981.

If I can be of any assistance, please do not hesitate to call me at 961-5171.

Very truly yours,

Walter Huff
Industrial Wastewater Control Section

WH:els
Enclosure

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JUN 17 1991
DEQ-OPC

June 13, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of May, 1991.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

May 16, 1991

RECEIVED
MAY 22 1991
Dept. of Environmental Quality
Bureau of Pollution Control

Mr. Barry S. Royals, P. E. Chief
Surface Water Division
Department of Environmental Quality
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 38289-0385

Re: Kerr-McGee Chemical Corporation
Forest Products Division
Columbus, MS Facility
Consent Order 2031-91

Dear Mr. Royals:

Enclosed please find a check for $9,375.00 which is submitted in accordance with Provision C.1.A. of Consent Order 2031-91 entered into with the Mississippi Commission on Environmental Quality concerning the Kerr-McGee Chemical Corporation, Forest Products Division (KMCC/FPD), Columbus, MS facility.

Should you or your staff have any questions concerning KMCC/FPD's compliance with the consent order, do not hesitate to contact either John Getz, Plant Manager, at 601/328-7551 or me at 405/270-2391.

Sincerely,

KERR-McGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Jeffrey H. Bull
Manager - Environmental,
Regulatory Affairs,
Operations East

JHB:dbc

Enclosure

cc: J. J. Getz

Forest Products

DW

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

TO: N. Salem
FROM: Dewitt Spurgeon, NRO
DATE: May 16th, 1991

SUBJECT: Compliance Monitoring
Kerr McGee Forest Products
Permit #90021
Lowndes County

On May 15th, 1991, I went to the above facility to perform a scheduled O&M Inspection and collect grab samples from their process wastewater and boiler blowdown discharge. I spoke with Mr. John ~~Guess~~ Gatz, Engineer.

I collected my samples just prior to the V-Notch weir. The water I sampled was a clearish tan color with no odor. The pH of this water was 6.83.

I found no problems during this O&M and Sampling Period.

DS:c

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

May 8, 1991

FILE COPY

CERTIFIED MAIL NO. P 584 259 763

Mr. J. J. Getz, Plant Manager
Forest Products Division
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

In order to settle certain environmental issues regarding Kerr-McGee Chemical Corporation, Forest Products Division, in Columbus, you have agreed to the conditions of Administrative Order No. 2031-91, which is enclosed.

If you have questions about this matter, please contact Mr. Nameh Salem at telephone #601/961-5171.

Sincerely,

Charles H. Chisolm, Head
Office of Pollution Control

CHC:mh

Enclosure

cc: Mr. Jeffrey H. Bull, Kerr-McGee Chemical Corporation, Oklahoma City, OK (w/enclosure)

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

May 8, 1991

CERTIFIED MAIL NO. P 584 259 763

Mr. J. J. Getz, Plant Manager
Forest Products Division
Kerr-McGee Chemical Corporation
P.O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

In order to settle certain environmental issues regarding Kerr-McGee Chemical Corporation, Forest Products Division, in Columbus, you have agreed to the conditions of Administrative Order No. 2031-91, which is enclosed.

If you have questions about this matter, please contact Mr. Nameh Salem at telephone #601/961-5171.

Sincerely,

Charles H. Chisolm, Head
Office of Pollution Control

CHC:mh

Enclosure

cc: Mr. Jeffrey H. Bull, Kerr-McGee Chemical Corporation, Oklahoma City, OK (w/enclosure)

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

COMPLAINANT

VS. ORDER NO. 2031 91

KERR MCGEE CHEMICAL CORPORATION,

RESPONDENT

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Kerr McGee Chemical Corporation, Columbus, Mississippi Respondent, in the above captioned cause and state as follows:

On December 20, 1990, and on February 5, 1991, Respondent was contacted by complainant and notified of the following alleged violations:

A. On the months of February, March, May, September and December 1990, Respondent allegedly exceeded the daily average concentration of oil and grease of its Pretreatment Permit #PT90021.

B. On the months of February, March, May, July, September and December 1990, Respondent allegedly exceeded the daily maximum concentration of oil and grease under its Pretreatment Permit #PT90021.

C. On the months of March and May through December 1990, Respondent allegedly exceeded the daily maximum load of total phenols in its Pretreatment Permit #PT90021.

While expressly not admitting nor denying the above allegations and in recognition of certain mitigating circumstances, the Respondent

hereby agrees in lieu of a formal hearing to the following resolution of the matter, to-wit:

1. Respondent agrees to pay and Complainant agrees to accept, a sum not to exceed $28,125.00 as a full and complete settlement of this matter, to be payable as follows;

a. Respondent shall pay the Complainant the sum of $9,375.00 within thirty (30) days of the execution and entry of this Order.

b. An additional sum of $18,750.00 shall be paid by the Respondent only in the event said Respondent fails to comply with certain requirements hereinafter set forth in paragraphs 2(a), 2(b), 2(c), 3 and 4 payable within thirty days after Complainant notifies Respondent of such failure.

2. Respondent shall further comply with the following, to-wit:

a. On or before the 26th day of April, 1991, Respondent shall complete planned modifications to existing physical/chemical treatment system, as outlined under the heading "Operating Efficiency" of Respondent's letter to Complainant dated January 2, 1991;

b. On or before June 25, 1991, Respondent shall complete evaluation of the need for additional treatment measures for phenols removal;

c. On or before December 25, 1991, Respondent shall install additional treatment measures for phenol treatment, if determined necessary under paragraph 2(b) above, to achieve compliance with the provisions of said Permit.

3. In the event Respondent determines installation of additional treatment measures is not necessary to achieve compliance as heretofore set forth in paragraph 2(b), Respondent shall demonstrate compliance with said Permit on or before the 1st day of July, 1991, and shall continue to demonstrate compliance until the 30th day of September, 1991, excluding any failures or exceedences due to justifiable causes as an Act of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance is demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of September, 1991, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable as set forth in paragraph 1(b), and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 30th of September, 1991. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

4. In the further event that on or before the 25th day of June, 1991, under paragraph 2(b) herein, Respondent determines that additional treatment measures are necessary, such measures shall be installed on or before the 25th day of December, 1991, and Respondent shall demonstrate compliance with said Permit from January 1, 1992, to March 31, 1992, excluding any failures due to Acts of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of

March, 1992, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable on or before the 1st day of May, 1992, and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 31st day of March, 1992. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1989), and that it has made an informed waiver of that right.

ORDERED, this the 7th day of May, 1991.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: _____
J. I. PALMER, JR.
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

AGREED, this the 26th day of April, 1991.

KERR-MCHEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

BY: _____
RESPONDENT

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAY 8 1992
Dept. of Environmental Quality
Office of Pollution Control

May 6, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Nameh Salem

Dear Mr. Salem:

Attached, please find the Discharge Monitoring Report for the month of April, 1992.

Sincerely,

John J. Getz
Plant Manager

JJG/tlr

cc: J. H. Bull

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAY 7 - 1991
Dept. of Environmental Quality
Bureau of Pollution Control

May 6, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of April, 1991.

Sincerely,

John G. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

Miriam
Holcomb

KERR-McGEE CHEMICAL CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

April 26, 1991

RECEIVED
MAY 6 - 1991
Dept. of Environmental Quality
Bureau of Pollution Control

Barry S. Royals, P.E., Chief
Surface Water Division
Department of Environmental Quality
Bureau of Pollution Control
P.O. Box 10385
Jackson, Mississippi 38289-0385

Re: Kerr-McGee Chemical Corporation
Forest Products Division
Columbus, Mississippi Facility
Wastewater Consent Order

Dear Mr. Royals:

Enclosed please find an executed copy of the Consent Order for the Kerr-McGee Chemical Corporation, Forest Products Division, Columbus, Mississippi facility. Upon your final execution please send a copy of the Consent Order to both the Columbus facility and to myself for our records.

Should you have any additional questions or comments concerning the facility's wastewater management program, do not hesitate to contact either John Getz, Plant Manager, (601) 328-7551 or myself at (405) 270-2391.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Jeffrey H. Bull, Manager
Environmental, Regulatory Affairs,
Operations East

JHB:wpc

cc: J. J. Getz

FOREST PRODUCTS

4395C

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

COMPLAINANT

VS. ORDER NO. 2031 91

KERR MCGEE CHEMICAL CORPORATION,

RESPONDENT

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Kerr McGee Chemical Corporation, Columbus, Mississippi Respondent, in the above captioned cause and state as follows:

On December 20, 1990, and on February 5, 1991, Respondent was contacted by complainant and notified of the following alleged violations:

A. On the months of February, March, May, September and December 1990, Respondent allegedly exceeded the daily average concentration

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

COMPLAINANT

VS. ORDER NO. 2091

KERR MCGEE CHEMICAL CORPORATION,

RESPONDENT

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Kerr McGee Chemical Corporation, Columbus, Mississippi Respondent, in the above captioned cause and state as follows:

On December 20, 1990, and on February 5, 1991, Respondent was contacted by complainant and notified of the following alleged violations:

A. On the months of February, March, May, September and December 1990, Respondent allegedly exceeded the daily average concentration of oil and grease of its Pretreatment Permit #PT90021.

B. On the months of February, March, May, July, September and December 1990, Respondent allegedly exceeded the daily maximum concentration of oil and grease under its Pretreatment Permit #PT90021.

C. On the months of March and May through December 1990, Respondent allegedly exceeded the daily maximum load of total phenols in its Pretreatment Permit #PT90021.

While expressly not admitting nor denying the above allegations and in recognition of certain mitigating circumstances, the Respondent

hereby agrees in lieu of a formal hearing to the following resolution of the matter, to-wit:

1. Respondent agrees to pay and Complainant agrees to accept, a sum not to exceed $28,125.00 as a full and complete settlement of this matter, to be payable as follows;

a. Respondent shall pay the Complainant the sum of $9,375.00 within thirty (30) days of the execution and entry of this Order.

b. An additional sum of $18,750.00 shall be paid by the Respondent only in the event said Respondent fails to comply with certain requirements hereinafter set forth in paragraphs 2(a), 2(b), 2(c), 3 and 4 payable within thirty days after Complainant notifies Respondent of such failure.

2. Respondent shall further comply with the following, to-wit:

a. On or before the 26th day of April, 1991, Respondent shall complete planned modifications to existing physical/chemical treatment system, as outlined under the heading "Operating Efficiency" of Respondent's letter to Complainant dated January 2, 1991;

b. On or before June 25, 1991, Respondent shall complete evaluation of the need for additional treatment measures for phenols removal;

c. On or before December 25, 1991, Respondent shall install additional treatment measures for phenol treatment, if determined necessary under paragraph 2(b) above, to achieve compliance with the provisions of said Permit.

3. In the event Respondent determines installation of additional treatment measures is not necessary to achieve compliance as heretofore set forth in paragraph 2(b), Respondent shall demonstrate compliance with said Permit on or before the 1st day of July, 1991, and shall continue to demonstrate compliance until the 30th day of September, 1991, excluding any failures or exceedences due to justifiable causes as an Act of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance is demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of September, 1991, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable as set forth in paragraph 1(b), and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 30th of September, 1991. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

4. In the further event that on or before the 25th day of June, 1991, under paragraph 2(b) herein, Respondent determines that additional treatment measures are necessary, such measures shall be installed on or before the 25th day of December, 1991, and Respondent shall demonstrate compliance with said Permit from January 1, 1992, to March 31, 1992, excluding any failures due to Acts of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of

March, 1992, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable on or before the 1st day of May, 1992, and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 31st day of March, 1992. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1989), and that it has made an informed waiver of that right.

ORDERED, this the 7th day of May, 1991.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: _____
J. I. PALMER, JR.
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

AGREED, this the 26th day of April, 1991.

KERR-MCHEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

BY: _____
RESPONDENT

hereby agrees in lieu of a formal hearing to the following resolution of the matter, to-wit:

1. Respondent agrees to pay and Complainant agrees to accept, a sum not to exceed $28,125.00 as a full and complete settlement of this matter, to be payable as follows;

a. Respondent shall pay the Complainant the sum of $9,375.00 within thirty (30) days of the execution and entry of this Order.

b. An additional sum of $18,750.00 shall be paid by the Respondent only in the event said Respondent fails to comply with certain requirements hereinafter set forth in paragraphs 2(a), 2(b), 2(c), 3 and 4 payable within thirty days after Complainant notifies Respondent of such failure.

2. Respondent shall further comply with the following, to-wit:

a. On or before the 26th day of April, 1991, Respondent shall complete planned modifications to existing physical/chemical treatment system, as outlined under the heading "Operating Efficiency" of Respondent's letter to Complainant dated January 2, 1991;

b. On or before June 25, 1991, Respondent shall complete evaluation of the need for additional treatment measures for phenols removal;

c. On or before December 25, 1991, Respondent shall install additional treatment measures for phenol treatment, if

3. In the event Respondent determines installation of additional treatment measures is not necessary to achieve compliance as heretofore set forth in paragraph 2(b), Respondent shall demonstrate compliance with said Permit on or before the 1st day of July, 1991, and shall continue to demonstrate compliance until the 30th day of September, 1991, excluding any failures or exceedences due to justifiable causes as an Act of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance is demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of September, 1991, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable as set forth in paragraph 1(b), and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 30th of September, 1991. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

4. In the further event that on or before the 25th day of June, 1991, under paragraph 2(b) herein, Respondent determines that additional treatment measures are necessary, such measures shall be installed on or before the 25th day of December, 1991, and Respondent shall demonstrate compliance with said Permit from January 1, 1992, to March 31, 1992, excluding any failures due to Acts of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance demonstrated, the sum paid herein under

March, 1992, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable on or before the 1st day of May, 1992, and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 31st day of March, 1992. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1989), and that it has made an informed waiver of that right.

ORDERED, this the 7th day of May, 1991.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: Charles Chisolm
J. I. PALMER, JR. for
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

AGREED, this the 26th day of April, 1991.

KERR-MCHEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

KERR-McGEE CHEMICAL CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

April 24, 1991

RECEIVED
MAY 2 - 1991
Dept. of Environmental Quality
Bureau of Pollution Control

Mr. Barry S. Royals, P.E., Chief
Surface Water Division
Department of Environmental Quality
Bureau of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

Re: Kerr-McGee Chemical Corporation
Forest Products Division
Columbus, Mississippi Facility
Wastewater Consent Order

Dear Mr. Royals:

This serves to update you and your staff on the progress Kerr-McGee Chemical Corporation, Forest Products Division (KMCC-FPD) has made in upgrading the wastewater pretreatment facility at our Columbus, Mississippi facility. In accordance with the Consent Order, KMCC-FPD has made the following modifications to the physiochemical pretreatment facility.

- Additional level controllers in collection sumps have been installed to reduce flow surges. In addition, the existing level controllers were modified to operate more efficiently.
- The system to recycle process water to the Nash vacuum pumps as seal water has been modified ensuring continuous operation.
- A more efficient preservative recovery system has been installed in the primary preservative recovery tank. The equipment will allow KMCC-FPD to withdraw preservative at several points along the length of the separator thus ensuring efficient operation of the system.
- An effluent V-notch weir has been installed in the primary preservative recovery system to eliminate short circuiting of the separator.
- The inlet piping to both the primary and the secondary preservative recovery separators has been modified to distribute the influent flow across the entire width of the separator thus reducing short circuiting and improving efficiency.

The aforementioned items were outlined in our January 22, 1991 letter defining the steps KMCC-FPD would take to upgrade the physiochemical treatment system. KMCC-FPD has also undertaken the following additional modifications to the system to improve its operation.

- Upgraded the railcar unloading system to divert uncontaminated stormwater from entering the treatment system.

FOREST PRODUCTS

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- Eliminated the use of retort sump No. 2 thus reducing the potential for high instantaneous flow surges to the treatment system.

- Installed a pump on the discharge from the stormwater storage tank thus ensuring more positive control of the flow from the stormwater tank.

- Purchased backup polymer pumps to ensure the addition of adequate polymer during high flow situations.

As stated in the January 2, 1991 letter, KMCC-FPD has also initiated an evaluation of the need for additional phenol removal. As required by the Consent Order, KMCC-FPD will notify the Mississippi Bureau of Pollution Control by June 25, 1991 as to whether additional phenol treatment is necessary. The notification will include an outline of the steps to be taken by KMCC-FPD to ensure ongoing compliance with the facility's wastewater pretreatment permit.

Should you or your staff have any questions concerning the contents of this letter or any other matters concerning the facility's environmental management programs, do not hesitate to contact either John Getz, Plant Manager, (601) 329-7551 or myself at (405) 270-2391.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Jeffrey H. Bull, Manager
Environmental, Regulatory Affairs,
Operations East

JHB:wpc

cc: J. J. Getz
R. P. Michel
J. C. Stauter
W. O. Green
R. H. Jones

TRANSACTION REPORT

FEB-25-91 MON 8:14

SEND

#	DATE	S. T.	NAME	TIME	PGS	NOTE	DP
[illegible]	[illegible]	[illegible]	6013293424	[illegible]	[illegible]	OK	

FILE COPY

April 15, 1991

CERTIFIED MAIL NO. P 584 262 164

Mr. J. J. Getz, Plant Manager
Kerr McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 394701

Dear Mr. Getz:

Re: Pretreatment Permit No. MSP090021

As per the meeting of February 22, 1991 with my staff, enclosed is the Agreed Order for your review. The Order requires a payment of a penalty and a compliance schedule for settlement. Please sign the Order on the blank labeled respondent and return to us for signature by Mr. J. I. Palmer, Executive Director, Department of Environmental Quality. After execution by Mr. Palmer, a copy will be returned to you.

Please return the signed copy within 10 days to the attention of Mr. Nameh Salem. If you have any further questions, please contact Mr. Salem at 961-5171.

Sincerely,

Barry S. Royals, P. E., Chief
Surface Water Division

BSR:NS:cm

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
APR 11 1991
DEQ-OPC

April 8, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of March, 1991.

Sincerely,

John G. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

FOREST PRODUCTS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAR 14 1991
DEQ-OPC

March 12, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the discharge monitoring report for the month of February, 1991.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull

FOREST PRODUCTS

MYS

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 180 • HAMILTON, MISSISSIPPI 39746

RECEIVED
MAR 13 1991
Dept. of Environmental Quality
Bureau of Pollution Control

March 11, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Earl Mahaffey
Industrial Wastewater Control Section
Mississippi Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

RE: POWER OUTAGE
NPDES OUTFALL 201

Dear Mr. Mahaffey:

This letter is to confirm our March 4, 1991 telephone conversation in reference to loss of electrical utilities at Outfall 201.

As you will recall, loss of electrical utilities began March 3, 1991 due to electrical over load incurred during a thunderstorm. This overload caused extensive damage to power supply lines and transformers along the service route. Electrical utility was restored to the Outfall 201 March 5, 1991 at 1315 hrs.

If you have questions regarding this matter please advise.

Sincerely,

KERR McGEE CHEMICAL CORPORATION

K. S. Atkins, Jr.
Environmental Specialist

KERR-McGEE CHEMICAL CORPORATION
KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

RECEIVED
MAR 11 1991
DEQ-OPC

March 8, 1991

Mr. Jerry Cain
Mississippi Department of
Environmental Quality
Bureau of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

Re: Kerr-McGee Chemical Corporation
Forest Products Division
Columbus, Mississippi Facility
Wastewater Draft Agreed Order

Dear Mr. Cain:

Attached for your consideration is the Draft Agreed Order concerning the alleged violations at the Kerr-McGee Chemical Corporation, Forest Products Division (KMCC-FPD) Columbus, Mississippi facility. The compliance schedule discussed during our meeting on February 22, 1991, has been included in the draft order. KMCC-FPD has also proposed modifications to the draft order that are consistent with other consent orders that the Kerr-McGee Corporation Legal Department has agreed to in past situations.

The modifications we have made to date on the physiochemical treatment system continue to improve the operating efficiency of the wastewater pretreatment plant. The facility operated without a single permit exceedance in February, as you will see in the February Discharge Monitoring Report. We will continue to keep you updated on the modifications as we make them.

I will call you on Thursday, March 14, 1991, after you have had time to review the draft Consent Order. In the meantime, should you or your staff have any questions, do not hesitate to contact either Mr. John Getz, Plant Manager, at (601) 328-7551, or myself at (405) 270-2391.

Sincerely,

KERR-MCGEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

Jeffrey H. Bull/dlb

Jeffrey H. Bull, Manager
Environmental, Regulatory Affairs,
Operations East

JHB:wpc
Attachment

cc: J. J. Getz
W. O. Green
J. C. Stauter

FOREST PRODUCTS

4300C

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
MAR - 4 1991
Dept. of Environmental Quality
Bureau of Pollution Control

March 1, 1991

Mississippi Dept. of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS

Dear Mr. Edwards:

Attached please find the discharge Monitoring Report for the month of January, 1991.

As the report indicates we experienced one (1) exceedence in phenols, with one oil and grease overage also being above permit levels.

We feel the treatment system operated much more efficiently during the month of January than prior months, except for the upset that occurred on the 14th. This situation was caused by improper chemical treatment, and as evidenced by the balance of the month, has been corrected.

During our meeting on February 22nd, with Mssrs Cain, ~~McHaffery~~ Mahaffey, and Salem, we indicated at that time that we were in the process of making several mechanical changes to ensure total discharge compliance in the future. Several of the changes discussed have been completed at this time. They are:

1. A second static mixer has been installed, which will ensure a more thorough mixing of the treatment chemicals.

2. A V-notch weir plate has been installed on the primary separator. This modification will ensure an even flow of water to the separator sump, and in turn help to eliminate "funneling" during peak flow activity.

3. The discharge line into the secondary separator was modified to ensure proper distribution of incoming water.

These and other changes that have already been completed are paying dividends for us already.

For the month of February, we have achieved total compliance with all permit parameters.

FOREST PRODUCTS

We will continue with the balance of the system modifications previously discussed, until we have virtually eliminated any possibility of our being out of compliance.

Please advise if you have any questions, or require any further information.

Sincerely,

John J. Getz
Plant Manager

JJG/tjj

cc: J. H. Bull
R. P. Michel

TRANSACTION REPORT

FEB-25-91 MON 10:15

SEND

#	DATE	S. T.	NAME	TIME	PGS	NOTE	DP
01	FEB-25	10:13	11714052702420	1'55"	3	OK	

FAX

DEPARTMENT OF ENVIRONMENTAL QUALITY

Bureau of Pollution Control
P. O. Box 10385
2380 Hwy 80 West
Jackson, MS 39289-0385
FAX Number: (601)961-5190

Date 2/25 19 91

Please deliver the following 3 pages including transmittal sheet to:

Name Mr. Jeffrey Bull Phone

Location Kerr McGee Chem. Corp. OKLAHOMA City

☐ Routine ☒ Priority

From:

Name Nameh Salem Phone (601) 961-5234

Location Bureau Pollution Control Jackson, MS.

Message

AGREED ORDER DRAFT
Revised Penalty

If all pages are not received or are not legible please call us as soon as possible at **(601)961-5139.**

FAX

DEPARTMENT OF ENVIRONMENTAL QUALITY

Bureau of Pollution Control
P. O. Box 10385
2380 Hwy 80 West
Jackson, MS 39289-0385
FAX Number: (601)961-5190

Date 2/25 1991

Please deliver the following 3 pages including transmittal sheet to:

Name Mr. Getz, Kerr McGee Phone 3293424

Location Columbus, Mississippi

☐ Routine ☒ Priority

From:

Name Nameh Salem Phone 961-5234

Location Bureau Pollution Control, Jackson, MS.

Message

Agreed Order revised penalty

If all pages are not received or are not legible please call us as soon as possible at **(601)961-5139.**

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

COMPLAINANT

VS. ORDER NO. _____

KERR MCGEE CHEMICAL CORPORATION,

RESPONDENT

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Kerr McGee Chemical Corporation, Columbus, Mississippi Respondent, in the above captioned cause and state as follows:

On December 20, 1990, and on February 5, 1991, Respondent was contacted by complainant and notified of the following alleged violations:

A. On the months of February, March, May, September and December 1990, Respondent allegedly exceeded the daily average concentration of oil and grease of its Pretreatment Permit #PT90021.

B. On the months of February, March, May, July, September and December 1990, Respondent allegedly exceeded the daily maximum concentration of oil and grease under its Pretreatment Permit #PT90021.

C. On the months of March and May through December 1990, Respondent allegedly exceeded the daily maximum load of total phenols in its Pretreatment Permit #PT90021.

While expressly not admitting nor denying the above allegations and in recognition of certain mitigating circumstances, the Respondent

hereby agrees in lieu of a formal hearing to the following resolution of the matter, to-wit:

1. Respondent agrees to pay and Complainant agrees to accept, a sum not to exceed $28,125.00 as a full and complete settlement of this matter, to be payable as follows;

a. Respondent shall pay the Complainant the sum of $9,375.00 within thirty (30) days of the execution and entry of this Order.

b. An additional sum of $18,750.00 shall be paid by the Respondent only in the event said Respondent fails to comply with certain requirements hereinafter set forth in paragraphs 2(a), 2(b), 2(c), 3 and 4 payable within thirty days after Complainant notifies Respondent of such failure.

2. Respondent shall further comply with the following, to-wit:

a. On or before the 26th day of April, 1991, Respondent shall complete planned modifications to existing physical/chemical treatment system, as outlined under the heading "Operating Efficiency" of Respondent's letter to Complainant dated January 2, 1991;

b. On or before June 25, 1991, Respondent shall complete evaluation of the need for additional treatment measures for phenols removal;

c. On or before December 25, 1991, Respondent shall install additional treatment measures for phenol treatment, if determined necessary under paragraph 2(b) above, to achieve

3. In the event Respondent determines installation of additional treatment measures is not necessary to achieve compliance as heretofore set forth in paragraph 2(b), Respondent shall demonstrate compliance with said Permit on or before the 1st day of July, 1991, and shall continue to demonstrate compliance until the 30th day of September, 1991, excluding any failures or exceedences due to justifiable causes as an Act of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance is demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of September, 1991, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable as set forth in paragraph 1(b), and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 30th of September, 1991. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

4. In the further event that on or before the 25th day of June, 1991, under paragraph 2(b) herein, Respondent determines that additional treatment measures are necessary, such measures shall be installed on or before the 25th day of December, 1991, and Respondent shall demonstrate compliance with said Permit from January 1, 1992, to March 31, 1992, excluding any failures due to Acts of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance demonstrated, the sum paid herein under

4. In the further event that on or before the 25th day of June, 1991, under paragraph 2(b) herein, Respondent determines that additional treatment measures are necessary, such measures shall be installed on or before the 25th day of December, 1991, and Respondent shall demonstrate compliance with said Permit from January 1, 1992, to March 31, 1992, excluding any failures due to Acts of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance is demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of March, 1992, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable on or before the 1st day of May, 1992, and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 31st day of March, 1992. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1989), and that it has made an informed waiver of that right.

ORDERED, this the _____ day of _____, 1991.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY:_____
J.J. Palmer, Jr.
Executive Director
Mississippi Department of
Environmental Quality

AGREED, this the _____ day of _____, 1991.

KERR-MCGEE CHEMICAL CORPORATION,
FOREST PRODUCTS DIVISION

BY: _____
RESPONDENT

concentration of oil and grease under its Pretreatment Permit #PT90021.

C. On the months of March and May through December 1990, Respondent allegedly exceeded the daily maximum load of total phenols in its Pretreatment Permit #PT90021.

While expressly not admitting nor denying the above allegations and in recognition of certain mitigating circumstances, the Respondent hereby agrees in lieu of a formal hearing to the following resolution of the matter, to-wit:

1. Respondent agrees to pay and Complainant agrees to accept, a sum not to exceed $25,125.00 as a full and complete settlement of this matter, to be payable as follows;

a. Respondent shall pay the Complainant the sum of $9,375.00 within thirty (30) days of the execution and entry of this Order.

b. An additional sum of $18,750.00 shall be paid by the Respondent only in the event said Respondent fails to comply with certain requirements hereinafter set forth in paragraphs 2(a), 2(b), 2(c), 3 and 4 payable within thirty days after Complainant notifies Respondent of such failure.

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a. On or before the 26th day of April, 1991, Respondent shall complete planned modifications to existing physical/chemical treatment system, as outlined under the heading "Operating Efficiency" of Respondent's letter to Complainant dated January 2, 1991;

b. On or before June 25, 1991, Respondent shall complete evaluation of the need for additional treatment measures for phenols removal;

c. On or before December 25, 1991, Respondent shall install additional treatment measures for phenol treatment, if determined necessary under paragraph 2(b) above, to achieve compliance with the provisions of said Permit.

3. In the event Respondent determines installation of additional treatment measures is not necessary to achieve compliance as heretofore set forth in paragraph 2(b), Respondent shall demonstrate compliance with said Permit on or before the 1st day of July, 1991, and shall continue to demonstrate compliance until the 30th day of September, 1991, excluding any failures or exceedences due to justifiable causes as an Act of God or upsets constituting an unintentional and temporary noncompliance because of factors beyond the reasonable control of the Respondent. In the event such compliance is demonstrated, the sum paid herein under paragraph 1(a) shall be deemed a full and final assessment and penalty for all exceedences and permit violations to the last day of September, 1991, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable as set forth in paragraph 1(b), and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 30th of September, 1991. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

BEFORE THE MISSISSIPPI COMMISSION

ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON

ENVIRONMENTAL QUALITY,

COMPLAINANT

VS. **ORDER NO.** _____

KERR MCGEE CHEMICAL CORPORATION,

RESPONDENT.

AGREED ORDER

COME NOW THE Mississippi Commission on Environmental Quality (Commission), Complainant, and Kerr McGee Chemical Corporation, Columbus, Mississippi, Respondent, in the above captioned cause and state as follows:

On December 20, 1990, and on February 5, 1991, Respondent was contacted by complainant and notified of the following alleged violations:

A. On the months of February, March, May, September and December 1990, Respondent allegedly exceeded the daily average concentration of oil and grease of its Pretreatment Permit #PT90021.

B. On the months of February, March, May, July, September and December 1990, Respondent allegedly exceeded the daily maximum

March, 1992, and shall constitute a conclusion of this inquiry and enforcement action. However, failure by the Respondent to demonstrate compliance during said probationary period, shall result in the payment by the Respondent to the Complainant in the sum of $18,750.00 payable on or before the 1st day of May, 1992, and shall constitute a full and final assessment and penalty for all exceedences and violations of said Permit and the terms of this Agreed Order to the 31st day of March, 1992. In the further event of such failure to demonstrate compliance, Respondent shall submit a written plan of corrective action to Complainant no later than thirty (30) days after the conclusion of said probationary period.

Respondent understands and acknowledges that it is entitled to an evidentiary hearing before the Commission pursuant to Section 49-17-31 of the Mississippi Code Annotated (Supp. 1989), and that it has made an informed waiver of that right.

ORDERED, this the _____ day of _____, 1991.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: _____
J. I. PALMER, JR.
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

AGREED, this the _____ day of _____, 1991.

KERR-MCHEE CHEMICAL CORPORATION
FOREST PRODUCTS DIVISION

BY: _____
RESPONDENT

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

MEMORANDUM

TO: File

FROM: Nameh Salem

SUBJECT: Kerr McGee Chemical Corporation - Show Cause Hearing

DATE: February 22, 1991

OPC	Kerr McGee
Barry Royal	Mr. Jeffrey Bull
Jerry Cain	Mr. J. J. Getz
Earl Mahaffey	Mr. Tony Helms
Nameh Salem	

Mr. Royal started the meeting explaining the philosophy behind taking enforcement action against Industrial Users who experience significant violations in discharging pollutants to the environment. He also explained the purpose of the show cause hearing. Mr. Jerry Cain then presented the facts of the nature of the violations and the chronological order of correspondence that led into the initiation of enforcement action. Then, Mr. Cain proceeded into the amount and mode of the penalty.

Mr. Bull, the manager of Environmental and Regulatory Affairs for Kerr McGee responded by displaying a revised process diagram and pointing out the changes that already have undergone in their wastewater treatment plant in order to eliminate the problems that caused the violations. Mr. Bull stated that the reason for all the ~~erosion~~ erroneous calculation that resulted in erroneous values on DMR's was due to manpower turnover and lack of managerial training. Mr. Bull objected to the penalty that was imposed by our office and requested for consideration to reduce it to an acceptable level.

The hearing was concluded as follows:

1. Kerr McGee will propose and provide our office with a compliance schedule by March 8, 1991.

2. The penalty will be reduced by 25% due to reduction of pollutants by waste minimization as a result of recycling the discharge which in turn will reduce the flow.

NS:vb

FILE COPY

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NS:vb

FILE COPY

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

RAY MABUS
GOVERNOR

February 11, 1991

Mr. J. J. Getz, Plant Manager
Kerr McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 394701

Dear Mr. Getz:

Re: Permit No. MSP090021

As you are aware, on February 5, 1991, this office sent you a letter notifying Kerr McGee Chemical Corporation in Columbus of violations of Phenol and Oil & Grease permit limits, and that an enforcement action is being considered.

Therefore, it is our intention to initiate formal enforcement action against Kerr McGee Chemical Corporation for violation of Mississippi Code 49-17-3. Prior to this action we would like to invite you to an administrative conference to be held at 1:30 p.m. on February 20, 1991, in our office at 2380 Highway 80 West, Southport Center, Jackson, Mississippi. Failure to attend this conference could result in formal charges being filed against Kerr McGee Chemical Corporation with the Commission on Environmental Quality. The Commission is empowered to levy penalties up to $25,000 per day.

If you have questions, please contact Nameh Salem at (601) 961-5171.

Sincerely,

Barry S. Royals, P. E., Chief
Surface Water Division

BSR:NS:cm

If you have any questions concerning this matter, please advise.

Respectfully,

James E. Mahaffey, Chief
Industrial Pretreatment Section

JEM:NS:cm

FILE COPY

February 5, 1991

Mr. J. J. Getz, Plant Manager
Kerr McGee Chemical Corporation
P. O. Box 906
Columbus, Mississippi 39701

Dear Mr. Getz:

Re: Kerr McGee Chemical Corporation
MSP090021
Discharge Monitoring Reports

After careful review of your discharge monitoring reports for the previous quarter, the following violations were noted:

Month	Parameter	Permit Conditions	Reported Value	Deviation
Nov., 90	phenol	48.8 lbs/D (Max)	174.47 lbs/D	>100%
Dec., 90	phenol	48.8 lbs/D (Max)	98.3 lbs/D	>100%
Dec., 90	Oil & Grease	50 mg/l (Avg)	68 mg/l	36%
Dec., 90	Oil & Grease	100 mg/l (Max)	157 mg/l	57%

We are aware of the problems that Kerr McGee is experiencing in achieving compliance through correspondence with you and our inspections. We appreciate the efforts taken thus far. But, please be advised that the violations shown above are significant. The previous violations experienced in February through October, 1990 along with the above violations will result in this office pursuing enforcement action.

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

RECEIVED
JAN 28 1991
Dept. of Environmental Quality
Bureau of Pollution Control

January 24, 1991

Mississippi Department of Natural Resources
Bureau of Pollution Control
P. O. Box 10385
Jackson, MS 39209

Attention: Todd Edwards

Dear Mr. Edwards:

Attached please find the Discharge Monitoring Report for the month of December, 1990.

We experienced several exceedences in both Oil and Grease and Phenols for the month, as you can see by the attached summary.

There were several reasons for these exceedences:

1. We had abnormally high flows several times due to heavy rainfall amounts.
2. Due to a heavy increase in boultonized production (processing green material).

To correct these problems and to prevent future exceedences, we have implemented several new controls, some of which are:

1. Installation of a static mixer, which will provide more through mixing of water treatment chemicals.
2. We are performing our own in-house checks on a daily basis, to monitor the efficiency of our treatment methods.

We are continuing to research and investigate each upset in our system, and implement corrective action as necessary. We will continue to improve our performance until we reach 100% compliance with our permit.

Please advise if you have any questions, or require any further information.

Sincerely,

John G. Getz
Plant Manager

JJG/tjj

NY3

KERR-McGEE CHEMICAL CORPORATION
P.O. BOX 906 • COLUMBUS, MISSISSIPPI 39703-0906

January 2, 1991

RECEIVED
JAN - 7 1991
Dept. of Environmental Quality
Bureau of Pollution Control

Mississippi Department of Environmental Quality
Bureau of Pollution Control
P. O. Box 10385
Jackson, Ms 39289-0385

Attn: Mr. Nameh Y. Salem, Environmental Engineer

Dear Mr. Salem,

In November, 1990, your office was advised that kerr-McGee Chemical Corporation, Forest Products Division (KMCC-FPD) would be conducting an evaluation of their waste water treatment system at the Columbus, Mississippi wood treating plant to determine the necessary steps to alleviate the recent permit violations for phenols and oil and grease. During the evaluation, it was determined that the existing system consisting of primary and secondary oil-water separators for recovery of creosote preservative was not operating as efficiently as it could. In addition, it was determined that the facility would not be able to continually meet the effulient phenol limit especially during the operation of the production process to treat green (non-dry) wood utilizing the Boulton process. As a result of the evaluation, KMCC-FPD will be undertaking the following steps.

OPERATING EFFICIENCY

The existing primary and secondary oil-water separators have not been operating at their peak efficiency due to frequent surges in waste water flow through the system. In particular, it was noted that several of the collection sumps were not operating efficiently and, therefore, slugging the facility with waste water flow causing inefficient removal of preservative from the waste water. KMCC-FPD is undertaking a detailed evaluation of the operation of each sump to maximize the efficiency of the collection sump while minimizing the potential for flow surges through the system. This evaluation will be completed and additional equipment necessary to reduce the flow surges installed by March 15, 1991.

The evaluation of the operating efficiency of the existing system also indicated that excess water could be removed from the system thus optimizing the operation of the existing equipment. In particular, it was determined that the nash seal vacuum pump water could be recycled within the system and that the number of vacuum pumps operated at any one time could be minimized to two, thus eliminating approximately 10-15 gallons per minute of flow. The necessary modifications to the nash vacuum pump system will be completed by March 15, 1991.

The existing system has been limited by the ability to remove recovered preservative in an efficient manner. This is particularly true in the removal and recovery of preservative from the primary oil-water separator. A new collection system will be installed that will collect preservative along the entire length of the separator, thus more efficiently removing the preservative and allowing the operation of the separator to be optimized. The revised collection system will be installed by February 28, 1991.

The flow through the primary oil-water separator was short-circuiting thus minimizing the operational efficiency of the separator. The short-circuiting will be eliminated through the installation of an effluent v-notch weir plate, thus distributing the flow across the entire cross-sectional area of the separator. The weir plate will be installed by February 28, 1991. In addition, the inlet structure to both the primary and secondary separators will be modified to distribute the inlet flow across the entire width of the separator. This will improve the operational efficiency of the separator and eliminate the short circuiting.

PHENOL REMOVAL

The evaluation determined that the existing treatment system would not be able to continually meet the effluent phenol limits. This was especially true when the production process was treating green wood utilizing the boulton treatment process.

KMCC-FPD has been successful in utilizing biological treatment systems to remove the phenol prior to discharging to the Publicly Owned Treatment Works (POTW). KMCC-FPD proposes to utilize the three final effluent equalization tanks for a biological system. An evaluation of aeration equipment is currently being conducted to identify efficient and cost-effective equipment. The aeration equipment will be utilized to convert the final three tanks into an aerobic biological system to remove the phenolics. The evaluation and equipment selection process should be completed by March 28, 1991. At that time, a final commitment will be made as to when the system can be fully upgraded based upon the delivery schedule of the aeration equipment and any additional supporting equipment.

Throughout the process of upgrading the system, KMCC-FPD will continually inform the Mississippi Bureau of Pollution Control of our progress. In particular, KMCC-FPD will submit a progress report on April 1, 1991, at which point, KMCC-FPD will detail the progress made to date as well as the final plan to upgrade the system to include biological treatment. In the meantime, should you have any questions, do not hesitate to contact me at (601) 328-7551.

Sincerely,

J. J. Getz
Plant Manager

JJG/tlr

cc: R. P. Michel
J. H. Bull