

home login

Koppers Inc

MASTERFILE RELATED STATUS ATTACHMENTS TASKS

ID	Branch	SIC	County		Start	End
876	Energy and Transportation	2491	Grenada	Yazoo River	11/09/1981	

Physical Address (Primary)	Mailing Address	
1 Koppers Drive	PO Box 160	
Tie Plant, MS 38960	Tie Plant, MS 38960	

Telecom Type	Address or Phone
Work Phone Number	(662) 226-4584, Ext. 11

Alt ID	Alt Name	Alt Type	Start Date	End Date
2804300012	Koppers, Inc.	Air-AIRS AFS	10/12/2000	
876	Koppers Inc Grenada Plant	Air-Notification	05/23/2008	
096000012	Koppers, Inc.	Air-Title V Fee Customer	12/11/2006	
096000012	Koppers Industries, Inc.	Air-Title V Operating	03/11/1997	03/01/2002
096000012	Koppers Industries, Inc.	Air-Title V Operating	01/13/2004	03/26/2007
096000012	Koppers, Inc.	Air-Title V Operating	03/26/2007	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	08/27/1999	01/23/2007
MSD007027543	Koppers, Inc.	Hazardous Waste-EPA ID	01/23/2007	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	03/26/2007
HW8854301	Koppers, Inc. (Owner)	Hazardous Waste-TSD	03/26/2007	09/30/2009
876	Koppers Industries, Inc.	Historic Site Name	11/09/1981	12/11/2006
876	Koppers, Inc.	Official Site Name	12/11/2006	
MSP090300	Koppers Industries, Inc.	Water - Pretreatment	11/14/1995	11/13/2000
MSP090300	Koppers Industries, Inc.	Water - Pretreatment	09/18/2001	08/31/2006
MSP090300	Koppers, Inc.	Water - Pretreatment	03/26/2007	02/28/2012
MSU081080	Koppers Industries, Inc.	Water - SOP	11/09/1981	11/30/1985

Program	SubProgram	Start Date	End Date

Air	Title V - major	12/11/2006
Hazardous Waste	 Large Quantity Generator	08/27/1999
Hazardous Waste	 TSD - Not Classified	06/28/1988
Water	Baseline Stormwater	01/01/1900
Water	 PT CIU	11/14/1995
Water	PT CIU - Timber Products Processing (Subpart 429)	11/14/1995
Water	PT SIU	11/14/1995

		Metadata	S/T/R	Map Links
33 ° 44 ' 3 .00	89°47'8.06	Point Desc: PG- Plant Entrance	Section:	SWIMS
		(General). Data collected by Mike	Township:	Google Maps
(033.734167)	(089.785572)	Hardy on 11/8/2005. Elevation 223	Range:	MapQuest
		feet. Just inside entrance gate.		
		Method: GPS Code (Psuedo Range) Standard Position (SA Off) Datum: NAD83 Type: MDEQ		

10/9/2008 1:56:54 PM





Telephone: 601/957-2676 FAX: 601/957-1887

Ridgeland, Mississippi 39157

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/18/09

Date Received:

06/02/09

Date/Time Sampled:

06/02/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC47033

Page Number:

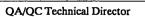
1

07:15

NELAP Accredited **LELAP 04023**

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.5	1.0	mg/L	5210B	MWS	06/03/09	13:45
Residue, non-filterable (TSS)	11.0	1.0	mg/L	2540D	RLT	06/03/09	12:45
Oil & Grease	ND	2.1	mg/L	1664A	CRM	06/12/09	13:25
Phenols	ND	0.05	mg/L	420.4	MEW	06/10/09	12:33
Phenolic Compounds		(8					
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/03/09	17:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/03/09	17:27
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/03/09	17:27
Pentachlorophenol	ND	0.001	mg/L	625	MF	06/03/09	17:27
Phenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27







Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/19/09

Date Received: **Date/Time Sampled:** 06/09/09 06/09/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC47308

NELAP Accredited

LELAP 04023

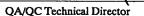
Page Number:

1

07:20

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	06/10/09	08:25
Residue, non-filterable (TSS)	8.0	1.0	mg/L	2540D	RLT	06/10/09	09:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/18/09	14:00
Phenols	ND	0.05	mg/L	420.4	MEW	06/18/09	12:45
Phenolic Compounds							
4-Chloro-3-methylphenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2-Chlorophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2,4-Dichlorophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2,4-Dimethylphenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
4,6-Dinitro-2-methylphenol	Not detected	0.001	mg/L	625	MF	06/10/09	16:14
2,4-Dinitrophenol	Not detected	0.005	mg/L	625	MF	06/10/09	16:14
2-Nitrophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
4-Nitrophenol	Not detected	0.005	mg/L	625	MF	06/10/09	16:14
Pentachlorophenol	Not detected	0.001	mg/L	625	MF	06/10/09	16:14
Phenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2,4,6-Trichlorophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14







Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/29/09

Date Received:

06/16/09

Date/Time Sampled:

06/19/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC47533

Page Number:

1

06:30

NELAP Accredited LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	5210B	MWS	06/17/09	14:20
Residue, non-filterable (TSS)	10.0	1.0	mg/L	2540D	RLT	06/17/09	10:10
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/26/09	12:45
Phenols	ND	0.05	mg/L	420.4	MEW	06/18/09	12:45
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/18/09	13:15
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/18/09	13:15
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/18/09	13:15
Pentachlorophenol	0.002	0.001	mg/L	625	MF	06/18/09	13:15
Phenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15





Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/07/09

Date Received:

06/24/09

Date/Time Sampled:

06/23/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC47744

NELAP Accredited **LELAP 04023**

Page Number:

1

07:35

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	06/24/09	09:10
Residue, non-filterable (TSS)	10.0	1.0	mg/L	2540D	RLT	06/24/09	10:45
Oil & Grease	ND	2.5	mg/L	1664A	CRM	07/02/09	08:30
Phenols	0.06	0.05	mg/L	420.4	MEW	07/07/09	12:20
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/25/09	12:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/25/09	12:58
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/25/09	12:58
Pentachlorophenol	0.002	0.001	mg/L	625	MF	06/25/09	12:58
Phenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58



^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

Sampled by:

07/14/09

Date Received:

07/01/09

Date/Time Sampled:

06/30/09

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC48122

Page Number:

1

07:30

NELAP Accredited LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.8	1.0	mg/L	5210B	RLT	07/01/09	10:30
Residue, non-filterable (TSS)	21.0	1.0	mg/L	2540D	EGB	07/01/09	12:35
Oil & Grease	ND	2.4	mg/L	1664A	CRM	07/09/09	08:50
Phenols	ND	0.05	mg/L	420.4	MEW	07/07/09	12:20
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/02/09	15:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/02/09	15:44
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/02/09	15:44
Pentachlorophenol	0.068	0.001	mg/L	625	RLT	07/02/09	15:44
Phenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44





^{*} See supplementary information, attached.

Office of Pollution Control Laboratory 1542 Old Whitfield Road **Pearl MS 39208** 601-961-5701

Sample Results

To: TRAYCE THOMAS

COMPLIANCE Study:

RANDY JONES

043 GRENADA County:

Sample ID:

Basin: AA39947

Location Name:

QA Type:

KOPPERS INC

5700

Location Description:

Division Code:

TRAYCE THOMAS

Requested By: Date Collected:

05/27/2009

Location Code:

Time Collected:

1230

Other No.:

Sample Collector:

RJONES

Permit No.:

MSP090300

Delivery Mode:

DOUGLAS

05/28/2009

Discharge No.:

MSP090300-001

C0430046

Received at Lab by:

TAMMY SAWYER

Master Al No.:

876

Date Received at Lab: Time Received at Lab:

0850

Latitude: Longitude:

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
Flow mgd		0.0211	MGD	0	RJONES
pH, Field Measurement	150.1	7.95	pH units		RJONES
Temperature, Water	170.1	30.4	deg C	0	RJONES
Arsenic, Total	200.7	<mql< td=""><td>ug/L</td><td>50.0</td><td>BBRUCE</td></mql<>	ug/L	50.0	BBRUCE
Chromium, Total	200.7	<mql< td=""><td>ug/L</td><td>10.0</td><td>BBRUCE</td></mql<>	ug/L	10.0	BBRUCE
Copper, Total	200.7	<mql< td=""><td>ug/L</td><td>10</td><td>BBRUCE</td></mql<>	ug/L	10	BBRUCE
2,4,6-Tribromophenol	8270	93	%	10-123	JSHELL
2-Fluorophenol	8270	63	%	21-100	JSHELL
Phenol-d5	8270	78	%	10-194	JSHELL
Pentachlorophenol	8270	Trace 9.98	μg/L	100	JSHELL
Biochemical Oxygen Demand, 5 Day	SM 5210B	11	mg/L	2	KFARRIS
Oil & Grease, Total Hexane	1664A	<mql< td=""><td>mg/L</td><td>5</td><td>KFARRIS</td></mql<>	mg/L	5	KFARRIS
Phenols, Total Recoverable	10-210-00-1-B	<mql< td=""><td>mg/L</td><td>0.05</td><td>JMILNER</td></mql<>	mg/L	0.05	JMILNER
Solids, Total Suspended	SM 2540 D	200	mg/L	4	OCLARK

Page 1 of 2 AA39947

ABBREVIATIONS / DEFINITIONS

>: greater than

<: less than

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated

z: surrogate COC Date: Date Chain of Custody Signed

COC TIME: Time Chain of Custody

SAMPLE COMMENTS

ug/L: micrograms/Liter

mg/L: milligrams/Liter

ug/g: micrograms/gram

ppm: parts per million

ppb: parts per billion

mg/kg: milligrams/kilogram

SAMPLING POINT IDENTIFICATION: TREATED WASTEWATER CONSISTING OF WATER FROM

CONDITIONING OF WOODY BOILER BLOWDOWN **ENVIRONMENT CONDITION: SUNNY AND HOT**

WHERE TAKEN: EFFLUENT VALVE ON DISCHARGE LINE TO CITY SEWER

Sample Validation Date 06/17/2009

Validated By

Date Report Printed 06/17/2009

Page 2 of 2

a A			LE REQUEST FOR		Bench No.	
		<u> </u>	an Anderson	- /	17 0-	1
GENERAL INFORMATIO	N: Facilit	y Name 📙	PPECS 1	ncu	TLIXI	6
County Code 04		ada	NPDE:	Permit No.	the state of the s	308
Disabases No.	10		100	Date Reques	ted May	and the condi
Sample Point Ident	ification_	xole-Thos	utstewater (Data To	Trayce M	Core - Tho
Requested By		omposite (F	low) (Time		The second name and district the second name and other than th	
Type of Sample: G SAMPLE IDENTIFICAT		Omposite (1	104) (111110)			*** *******
Environment Condit		ing Hot	-	Collec	ted By Ran	dr G. 301
Where Taken	Fluent 1	lative on	discharge	line to c	ity sewer	-/ -
Туре	Para	meters	Pres	ervative	Date	Time
1. Composite	500,	T55	Chill		05-27-20	
2. composite	AS,	r, co	HADZI	PHSZ	05-27-200	
3. 656h	Penta	chlorophem	-Chill-	44	65-22-20	
4. brab	Tota	Phenols	H 304	PUZZ		009 1230
5. 6/ab	0114	Grease	Hay	pola	0 212	_/
FIELD:	Compute	r Code	Request Res	sults	Analyst	Date
Analysis pH		400)	N T	. 95 S.U.	K63	05-27-
D.O.	•	300)	()			HEROGENIC CONTROL OF THE SECOND
Temperature	•	010)	γ <u> </u>	30,4°C	165	05-27-
Residual Chlorine		060)	()			1 2 3 5
Flow	. 0	060)	(H) 0,0		_K60_	05-2
TRANSPORTATION OF			Vehicle ()	Other () Date 5-Z	8-10	Time ()850
	ved By	my Da	Total Data	Sent to Sta		TIME OFFICE
Recorded By	Computer			Sent to Sta		Date
	Computer	Request	Resul	lt	Analyst	Measur
Analysis BOD ₅	(000310)	()		mg/1		*
COD ⁵	(000340)	() -		mg/1		
TOC	(000680)	() _		mg/1		
Suspended Solids	(099000)	() _		$\frac{\text{mg/1}}{\sqrt{2}}$		
TKN	(000625)	() _		$\frac{\text{mg/l}}{\sqrt{3}}$		
Ammonia-N	(000610)	() -	1	mg/1	,, 	*
Fecal Coliform(1)	(074055)		colonies colonies			*
Fecal Coliform(2)	(074055) (000665)		COTORIES	mg/1		
Total Phosphorus Oil and Grease(1)	(000550)	() -		mg/1		
Oil and Grease(1)	(000550)	() -		mg/1		
Chlorides	(099016)	() -		ng/1		
Phenol	(032730)	() _		mg/l		
Total Chromium	(001034)	()		mg/1		_
Hex. Chromium	(001032)	() _		$\frac{mg/1}{}$		
Zinc	(001092)	() -		$\frac{\text{mg/1}}{\text{mg/1}}$		
Copper	(001042)	() -		$\frac{\text{mg/1}}{\text{mg/1}}$		
Lead	(017501) (000722)	() -		mg/1 mg/1		
Cyanide	(000/22)	() -		<u> </u>		-
		() -				
		()				
		() _				
		()				
						-
		() -				
Remarks		() -				

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To: P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/19/09

Date Received:

05/05/09

Date/Time Sampled:

05/05/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC45881

NELAP Accredited **LELAP 04023**

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.7	1.0	mg/L	5210B	MWS	05/06/09	08:15
Residue, non-filterable (TSS)	33.0	1.0	mg/L	2540D	RLT	05/06/09	08:45
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/13/09	08:25
Phenols	ND	0.05	mg/L	420.4	MEW	05/07/09	14:36
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/07/09	11:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/07/09	11:55
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/07/09	11:55
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/07/09	11:55
Phenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/08/09

Date Received:

05/12/09

Date/Time Sampled:

05/12/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC46203

NELAP Accredited **LELAP 04023**

Page Number:

1

07:12

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	05/13/09	09:55
Residue, non-filterable (TSS)	20.0	1.0	mg/L	2540D	RLT	05/14/09	11:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	05/22/09	14:10
Phenols	ND	0.05	mg/L	420.4	MEW	05/15/09	13:06
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/13/09	15:16
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/13/09	15:16
2-Nitrophenol	ND	. 0.002	mg/L	625	MF	05/13/09	15:16
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/13/09	15:16
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/13/09	15:16
Phenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16



235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/29/09

Date Received:

05/19/09

Date/Time Sampled:

05/19/09

07:20

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC46573

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	05/21/09	06:55
Residue, non-filterable (TSS)	8.0	1.0	mg/L	2540D	RLT	05/20/09	10:20
Oil & Grease	ND	2.5	mg/L	1664A	CRM	05/28/09	10:35
Phenols	ND	0.05	mg/L	420.4	MEW	05/29/09	14:21
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/20/09	13:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/20/09	13:26
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/20/09	13:26
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/20/09	13:26
Phenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26



^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/08/09

Date Received:

05/26/09

Date/Time Sampled:

05/26/09

07:16

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC46748

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	5210B	MWS	05/27/09	10:35
Residue, non-filterable (TSS)	10.0	1.0	mg/L	2540D	MWS	06/01/09	13:35
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/02/09	08:55
Phenols	0.05	0.05	mg/L	420.4	MEW	05/29/09	14:21
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/27/09	18:27
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/27/09	18:27
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/27/09	18:27
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/27/09	18:27
Phenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/15/09

Date Received:

Sampled by:

05/28/09

Date/Time Sampled:

05/27/09

RR/MDEQ

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC46891

NELAP Accredited **LELAP 04023**

Page Number:

1

13:00

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	MWS	05/29/09	13:55
Residue, non-filterable (TSS)	29.0	1.0	mg/L	2540D	RLT	06/02/09	14:30
Oil & Grease	ND	2.6	mg/L	1664A	CRM	06/11/09	08:20
Phenols	ND	0.05	mg/L	420.4	MEW	06/10/09	12:33
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/04/09	15:48
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/04/09	15:48
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/04/09	15:48
Pentachlorophenol	ND	0.001	mg/L	625	MF	06/04/09	15:48
Phenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48



NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/20/09

Date Received:

04/07/09

Date/Time Sampled:

04/07/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC44784

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	04/08/09	10:10
Residue, non-filterable (TSS)	55.0	1.0	mg/L	2540D	RLT	04/08/09	08:35
Oil & Grease	ND	2.4	mg/L	1664A	CRM	04/17/09	10:20
Phenols	ND	0.05	mg/L	420.4	MEW	04/09/09	12:35
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
4,6-Dinitro-2-methylphenol	· ND	0.001	mg/L	625	MF	04/09/09	12:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	04/09/09	12:40
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
4-Nitrophenol	ND	0.005	mg/L	625	MF	04/09/09	12:40
Pentachlorophenol	ND	0.001	mg/L	625	MF	04/09/09	12:40
Phenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40



^{*} See supplementary information, attached.



235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/23/09

Date Received:

04/14/09

Date/Time Sampled:

04/14/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC45066

Page Number:

1

07:11

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.0	1.0	mg/L	5210B	MWS	04/15/09	10:15
Residue, non-filterable (TSS)	29.0	1.0	mg/L	2540D	RLT	04/15/09	10:20
Oil & Grease	ND	2.4	mg/L	1664A	CRM	04/22/09	08:50
Phenols	ND	0.05	mg/L	420.4	MEW	04/16/09	11:03
Phenolic Compound							
4-Chloro-3-methylphenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2-Chlorophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2,4-Dichlorophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2,4-Dimethylphenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/16/09	15:25
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/16/09	15:25
2-Nitrophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/16/09	15:25
Pentachlorophenol	0.093	0.001	mg/L	625	MF	04/16/09	15:25
Phenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2,4,6-Trichlorophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25

^{*} See supplementary information, attached.

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/30/09

Date Received:

04/21/09

Date/Time Sampled:

04/21/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC45329

NELAP Accredited **LELAP 04023**

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	04/22/09	09:35
Residue, non-filterable (TSS)	22.0	1.0	mg/L	2540D	RLT	04/22/09	14:50
Oil & Grease	ND	2.5	mg/L	1664 A	CRM	04/30/09	08:30
Phenois	0.05	0.05	mg/L	420.4	MEW	04/28/09	13:09
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/23/09	12:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/23/09	12:00
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/23/09	12:00
Pentachlorophenol	ND	0.001	mg/L	625	MF	04/23/09	12:00
Phenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/08/09

Date Received:

04/28/09

Date/Time Sampled:

04/28/09

07:15

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC45655

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.4	1.0	mg/L	5210B	MWS	04/29/09	09:55
Residue, non-filterable (TSS)	22.0	1.0	mg/L	2540D	RLT	04/29/09	15:05
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/07/09	10:30
Phenols	ND	0.05	mg/L	420.4	MEW	05/07/09	14:36
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/01/09	11.40
2-Chlorophenol	ND	0.002	mg/L	625	MF		11:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/01/09	11:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/01/09	11:42
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
4-Nitrophenol	ND	0.005	mg/L	625		05/01/09	11:42
Pentachlorophenol	0.290	0.005	_		MF	05/01/09	11:42
Phenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
2,4,6-Trichlorophenol	ND		mg/L	625	MF	05/01/09	11:42
-1,-1,1.001.01.01.01	IND	0.002	mg/L	625	MF	05/01/09	11:42

QA/QC Technical Director

See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/11/09

Date Received:

03/03/09

Date/Time Sampled:

03/03/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC43217

NELAP Accredited **LELAP 04023**

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	5210B	MWS	03/04/09	09:20
Residue, non-filterable (TSS)	25	1.0	mg/L	2540D	RLT	03/03/09	16:40
Oil & Grease	2.41	2.3	mg/L	1664 A	RLT	03/10/09	09:30
Phenols	ND	0.05	mg/L	420.4	MEW	03/06/09	14:10
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/04/09	13:39
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/04/09	13:39
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/04/09	13:39
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/04/09	13:39
Phenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39

QA/QC Technical Director

MP1

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/23/09

Date Received:

03/10/09

Date/Time Sampled:

03/10/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC43596

NELAP Accredited LELAP 04023

Page Number:

1

07:14

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.75	1.0	mg/L	5210B	MWS	03/11/09	07:20
Residue, non-filterable (TSS)	18	1.0	mg/L	2540D	RLT	03/12/09	11:00
Oil & Grease	ND	2.1	mg/L	1664A	RLT	03/13/09	10:45
Phenols	ND	0.05	mg/L	420.4	MEW	03/16/09	13:44
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/11/09	11:50
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/11/09	11:50
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/11/09	11:50
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/11/09	11:50
Phenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

03/25/09

Date Received:

03/17/09

Date/Time Sampled:

Project Number:

03/17/09

07:15

Sampled by:

DC

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC43983

Page Number:

1

Result	Det Limit	Units	Method	Analysts	Date	Time
3.3	1.0	mg/L	5210B	MWS	03/18/09	13:35
25	1.0	mg/L	2540D	RLT	03/19/09	11:45
ND	2.4	mg/L	1664A	CRM	03/23/09	13:25
ND	0.05	mg/L	420.4	MEW	03/25/09	14:02
ND	0.002	mg/L	625	MF	03/19/09	11:07
ND	0.002	mg/L	625	MF	03/19/09	11:07
ND	0.002	mg/L	625	MF	03/19/09	11:07
ND	0.002	mg/L	625	MF	03/19/09	11:07
ND	0.001	mg/L	625	MF	03/19/09	11:07
ND	0.005	mg/L	625	MF	03/19/09	11:07
ND	0.002	mg/L	625	MF	03/19/09	11:07
ND	0.005	mg/L	625	MF	03/19/09	11:07
ND	0.001	mg/L	625	MF	03/19/09	11:07
ND	0.002	mg/L	625	MF	03/19/09	11:07
ND	0.002	mg/L	625	MF	03/19/09	11:07
	3.3 25 ND	3.3 1.0 25 1.0 ND 2.4 ND 0.005 ND 0.002 ND 0.002 ND 0.002 ND 0.002 ND 0.002 ND 0.001 ND 0.005 ND 0.001 ND 0.005 ND 0.001 ND 0.001	3.3 1.0 mg/L 25 1.0 mg/L ND 2.4 mg/L ND 0.05 mg/L ND 0.002 mg/L ND 0.001 mg/L ND 0.005 mg/L ND 0.002 mg/L	3.3 1.0 mg/L 5210B 25 1.0 mg/L 2540D ND 2.4 mg/L 1664A ND 0.05 mg/L 420.4 ND 0.002 mg/L 625 ND 0.002 mg/L 625 ND 0.002 mg/L 625 ND 0.002 mg/L 625 ND 0.001 mg/L 625 ND 0.005 mg/L 625 ND 0.002 mg/L 625 ND 0.005 mg/L 625 ND 0.002 mg/L 625 ND 0.005 mg/L 625 ND 0.000 mg/L 625 ND 0.000 mg/L 625 ND 0.000 mg/L 625 ND 0.000 mg/L 625	3.3 1.0 mg/L 5210B MWS 25 1.0 mg/L 2540D RLT ND 2.4 mg/L 1664A CRM ND 0.05 mg/L 420.4 MEW ND 0.002 mg/L 625 MF ND 0.001 mg/L 625 MF ND 0.005 mg/L 625 MF ND 0.001 mg/L 625 MF ND 0.005 mg/L 625 MF ND 0.001 mg/L 625 MF ND 0.002 mg/L 625 MF ND 0.002 mg/L 625 MF ND 0.005 mg/L 625 MF ND 0.001 mg/L 625 MF	3.3 1.0 mg/L 5210B MWS 03/18/09 25 1.0 mg/L 2540D RLT 03/19/09 ND 2.4 mg/L 1664A CRM 03/23/09 ND 0.05 mg/L 420.4 MEW 03/25/09 ND 0.002 mg/L 625 MF 03/19/09 ND 0.001 mg/L 625 MF 03/19/09 ND 0.005 mg/L 625 MF 03/19/09 ND 0.001 mg/L 625 MF 03/19/09 ND 0.002 mg/L 625 MF 03/19/09 ND 0.001 mg/L 625 MF 03/19/09 ND 0.002 mg/L 625 MF 03/19/09

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/03/09

Date Received:

03/24/09

Date/Time Sampled:

03/24/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC44244

NELAP Accredited

LELAP 04023

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.7	1.0	mg/L	5210B	MWS	03/25/09	12:20
Residue, non-filterable (TSS)	20.0	1.0	mg/L	2540D	RLT	03/25/09	09:15
Oil & Grease	ND	2.2	mg/L	1664A	CRM	04/02/09	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	03/25/09	14:02
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/25/09	21:21
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/25/09	21:21
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/25/09	21:21
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/25/09	21:21
Phenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited
LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/09/09

Date Received:

03/31/09

Date/Time Sampled:

03/31/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

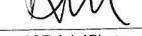
Sample Number: CC44510

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	34.5	1.0	mg/L	5210B	MWS	04/01/09	09:10
Residue, non-filterable (TSS)	37.0	1.0	mg/L	2540D	RLT	04/01/09	13:25
	ND	2.2	mg/L	1664A	CRM	04/08/09	09:10
Oil & Grease Phenols	ND	0.05	mg/L	420.4	MEW	04/02/09	12:16
Phenolic Compounds			_		.	0.4/01/00	16.00
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/01/09	16:09
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/01/09	16:09
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
•	ND	0.006	mg/L	625	MF	04/01/09	16:09
4-Nitrophenol	ND	0.001	mg/L	625	MF	04/01/09	16:09
Pentachlorophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
Phenol 2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/01/09	



235 Highpoint Drive

Telephone: 601/957-2676 FAX: 601/957-1887

Ridgeland, Mississippi 39157

To: **Koppers Company**

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/11/09

Date Received:

02/03/09

Date/Time Sampled:

02/03/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC42298

Page Number:

1

07:10

NELAP Accredited LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	5210B	MWS	02/04/09	09:20
Residue, non-filterable (TSS)	13	1.0	mg/L	2540D	RLT	02/03/09	16:20
Oil & Grease	ND	2.9	mg/L	1664A	CRM	02/10/09	08:20
Phenols	ND	0.05	mg/L	420.4	VCB	02/06/09	12:35
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2-Chlorophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2,4-Dichlorophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2,4-Dimethylphenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/04/09	17:54
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/04/09	17:54
2-Nitrophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/04/09	17:54
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/04/09	17:54
Phenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2,4,6-Trichlorophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54

^{*} See supplementary information, attached.

NC.

NELAP Accredited
LELAP 04023

07:12

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/17/09

Date Received:

02/10/09

Date/Time Sampled:

02/10/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC42510

Page Number: 1

Parameter	Result	Det Limit	Units-	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	5210B	MWS	02/12/09	06:30
Residue, non-filterable (TSS)	14	1.0	mg/L	2540D	RLT	02/11/09	13:00
Oil & Grease	88.1	2.7	mg/L	1664A	CRM	02/13/09	12:30
Phenols	ND	0.05	mg/L	420.4	MEW	02/16/09	12:40
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/12/09	13:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	02/12/09	13:55
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
4-Nitrophenol	ND	0.005	mg/L	625	MF	02/12/09	13:55
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/12/09	13:55
Phenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55

235 Highpoint Drive

Ridgeland, Mississippi 39157 Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/24/09

Date Received:

02/17/09

Date/Time Sampled:

02/17/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC42728

NELAP Accredited LELAP 04023

Page Number:

1

07:07

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	1.8	1.0	mg/L	5210B	MWS	02/18/09	14:00
Residue, non-filterable (TSS)	12	1.0	mg/L	2540D	RLT	02/19/09	09:20
Oil & Grease	ND	2.3	mg/L	1664A	CRM	02/20/09	08:30
Phenois	ND	0.05	mg/L	420.4	MEW	02/23/09	14:11
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/18/09	18:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	02/18/09	18:53
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
4-Nitrophenol	ND	0.005	mg/L	625	MF	02/18/09	18:53
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/18/09	18:53
Phenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/09/09

Date Received:

02/24/09

Date/Time Sampled:

02/24/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC42973

Page Number:

1

07:12

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	5210B	MWS	02/25/09	10:10
Residue, non-filterable (TSS)	15	1.0	mg/L	2540D	RLT	02/25/09	11:45
Oil & Grease	2.8	2.6	mg/L	1664A	RLT	03/06/09	13:15
Phenois	ND	0.05	mg/L	420.4	MEW	02/27/09	11:44
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/25/09	16:09
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/25/09	16:09
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/25/09	16:09
Pentachlorophenol	0.093	0.001	mg/L	625	MF	02/25/09	16:09
Phenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09

QA/QC Technical Director

MP1

^{*} See supplementary information, attached.

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/15/09

Date Received:

01/06/09

Date/Time Sampled:

01/06/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC41031

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	01/07/09	08:00
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RAH	01/07/09	14:30
Oil & Grease	2.78	2.2	mg/L	1664A	CRM	01/14/09	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	01/14/09	11:46
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/08/09	11:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	01/08/09	11:26
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
4-Nitrophenol	ND	0.005	mg/L	625	MF	01/08/09	11:26
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/08/09	11:26
Phenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/22/09

Date Received:

01/13/09

Date/Time Sampled:

01/13/09

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC41405

Page Number:

1

07:08

NELAP Accredited **LELAP 04023**

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	5210B	MWS	01/14/09	07:10
Residue, non-filterable (TSS)	ND	1.0	mg/L	2540D	RAH	01/14/09	16:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	01/21/09	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	01/21/09	13:40
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/14/09	13:02
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	01/14/09	13:02
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
4-Nitrophenol	ND	0.005	mg/L	625	MF	01/14/09	13:02
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/14/09	13:02
Phenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
Metals							
Arsenic	ND	0.05	mg/L	200.7	BTH	01/21/09	16:58
Chromium	ND	0.05	mg/L	200.7	BTH	01/21/09	16:57
Copper	ND	0.010	mg/L	200.7	BTH	01/21/09	16:57

^{*} See supplementary information, attached.

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/27/09

Date Received:

01/20/09

Date/Time Sampled:

01/20/09

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC41701

NELAP Accredited LELAP 04023

Page Number:

1

07:12

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	5210B	MWS	01/21/09	08:10
Oil & Grease	2.37	2.2	mg/L	1664A	CRM	01/23/09	10:20
Phenols	ND	0.05	mg/L	420.4	VCB	01/27/09	12:41
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RLT	01/21/09	09:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/21/09	14:47
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	01/21/09	14:47
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
4-Nitrophenol	ND	0.006	mg/L	625	MF	01/21/09	14:47
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/21/09	14:47
Phenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

02/03/09

Date Received:

01/27/09

Date/Time Sampled:

01/27/09

07:10

Sampled by:

DC

ATTN: Ron Rutledge

Facility Discharge

Weekly Requirements

Sample Description:

Project ID/Location:

Outfall 001

Sample Matrix: WATER **Project Number:**

Sample Number: CC42072

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	5210B	MWS	01/28/09	08:20
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RLT	01/28/09	12:40
Oil & Grease	ND	2.3	mg/L	1664A	CRM	02/02/09	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	02/02/09	13:05
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/28/09	15:44
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	01/28/09	15:44
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
4-Nitrophenol	ND	0.006	mg/L	625	MF	01/28/09	15:44
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/28/09	15:44
Phenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44



^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Date Reported:

Date Received:

Date/Time Sampled:

Sampled by:

Project Number:

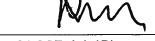
Sample Number: CC39832

NELAP Accredited **LELAP 04023**

Page Number:

1

				- 27							
Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time				
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	12/03/08	08:15				
Residue, non-filterable (TSS)	7	1.0	mg/L	2540D	RAH	12/03/08	11:30				
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/15/08	10:40				
Phenols	ND	0.05	mg/L	420.4	VCB	12/03/08	13:48				
Phenolic Compounds											
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				
4,6-Dinitro-2-methylphenol	or ND	0.001	mg/L	625	MF	12/03/08	14:48				
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	12/03/08	14:48				
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				
4-Nitrophenol	ND	0.005	mg/L	625	MF	12/03/08	14:48				
Pentachlorophenol	ND	0.001	mg/L	625	MF	12/03/08	14:48				
Phenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48				



235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

12/24/08

Date Received:

12/09/08

Date/Time Sampled:

12/09/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC40215

NELAP Accredited

LELAP 04023

Page Number:

1

07:45

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	12/10/08	08:30
Residue, non-filterable (TSS)	7	1.0	mg/L	2540D	RAH	12/10/08	10:10
Oil & Grease	ND	2.4	mg/L	1664A	CRM	12/23/08	12:50
Phenols	ND	0.05	mg/L	420.4	MEW	12/12/08	14:04
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	12/10/08	13:08
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	12/10/08	13:08
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
4-Nitrophenol	ND	0.006	mg/L	625	MF	12/10/08	13:08
Pentachlorophenol	ND	0.001	mg/L	625	MF	12/10/08	13:08
Phenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08

235 Highpoint Drive

Ridgeland, Mississippi 39157

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To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Date Reported:

12/31/08

Date Received:

12/16/08

Date/Time Sampled:

12/16/08

Sampled by: DC

07:45 600Z NYC

NELAP Accredited

LELAP 04023

Project Number:

Sample Number:

CC40514

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	12/17/08	09:20
Oil & Grease	4.0	2.2	mg/L	1664A	RLT	12/30/08	10:00
Phenols	ND	0.05	mg/L	420.4	VCB	12/18/08	13:56
Residue, non-filterable (TSS)	6	1.0	mg/L	2540D	RAH	12/19/08	11:00
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/18/08	
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/18/08	
4,6-Dinitro-2-methylphenol	· ND	0.001	mg/L	625	MF	12/18/08	15:33
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	12/18/08	15:33
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
4-Nitrophenol	ND	0.005	mg/L	625	MF	12/18/08	15:33
Pentachlorophenol	0.102	0.001	mg/L	625	MF	12/18/08	15:33
Phenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33

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Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/08/09

Date Received:

12/24/08

Date/Time Sampled:

12/24/08

Sampled by:

D. Coffey

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC40828

NELAP Accredited

LELAP 04023

Page Number:

1

07:08

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.5	1.0	mg/L	5210B	MWS	12/24/08	15:20
Residue, non-filterable (TSS)	17	1.0	mg/L	2540D	RAH	12/29/08	11:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/07/09	08:15
Phenois	ND	0.05	mg/L	420.4	VCB	12/30/08	13:38
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2,4-Dimethylphenol	ND	0.002	mg/L.	625	MF	12/29/08	
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF		17:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	12/29/08	17:44
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
4-Nitrophenol	ND	0.005	mg/L	625	MF	12/29/08	17:44
Pentachlorophenol	ND	0.001	mg/L	625	MF	12/29/08	17:44
Phenoi	ND	0.002	-	625	MF	12/29/08	17:44
2,4,6-Trichlorophenol	ND	0.002	mg/L mg/L	625 625	MF	12/29/08 12/29/08	17:44 17:44

MP1

^{*} See supplementary information, attached.

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Telephone: 601/957-2676 FAX: 601/957-1887

Ridgeland, Mississippi 39157

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/08/09

Date Received:

12/30/08

Date/Time Sampled:

12/30/08

07:10

NELAP Accredited **LELAP 04023**

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC40899

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	MWS	12/31/08	10:40
Residue, non-filterable (TSS)	39	1.0	mg/L	2540D	RAH	12/30/08	17:25
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/07/09	09:25
Phenols	ND	0.05	mg/L	420.4	MEW	01/05/09	12:34
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
4,6-Dinitro-2-methylphenol	· ND	0.001	mg/L	625	MF	01/02/09	11:50
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	01/02/09	11:50
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
4-Nitrophenol	ND	0.006	mg/L	625	MF	01/02/09	11:50
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/02/09	11:50
Phenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50

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LELAP 04023

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

01/29/08

Date Received:

01/22/08

Date/Time Sampled:

01/22/08

Sampled by:

RB

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Bi-Annual Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC26554

Page Number:

07:30

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Copper Chromium Arsenic	ND ND ND	0.010 0.05 0.05	mg/L mg/L mg/L	200.7 200.7 200.7	BIH BIH	01/24/08 01/24/08 01/24/08	21:38 21:38 21:40

B. G. Giossner, Ph.D.

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Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04923

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

07/21/08

Date Received:

07/16/08

Date/Time Sampled:

07/15/08

07:10

ATTN: Ron Rutledge

Sampled by:

D. Coffey

Project ID/Location: Facility Discharge

Bi-Annual Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC33994

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Amalysts	Date	Time
Copper	0.024	0.010	mg/L	200.7	BTH	07/18/08	15:59
Chromium	ND	0.05	mg/L	200.7	BTH	07/18/08	16:00
Arsenic	ND.	0.05	mg/L	200.7	BTH	07/18/08	16:00
			_				

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/12/08

Date Received:

11/04/08

Date/Time Sampled:

11/04/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC38780

07:15

NELAP Accredited

LELAP 04023.

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.4	1.0	mg/L	5210B	MWS	11/05/08	09:10
Residue, non-filterable (TSS)	12	1.0	mg/L	2540D	VCB	11/06/08	15:30
Oil & Grease	ND	2.1	mg/L	1664A	CRM	11/12/08	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	11/11/08	13:58
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/05/08	13:58
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	11/05/08	13:58
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
4-Nitrophenol	ND	0.006	mg/L	625	MF	11/05/08	13:58
Pentachlorophenol	ND	0.001	mg/L	625	MF	11/05/08	13:58
Phenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/20/08

Date Received:

11/11/08

Date/Time Sampled:

11/11/08

Sampled by:

R. Rutledge

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC39071

07:20

NELAP Accredited

LELAP 04023

1 Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	11/13/08	07:10
Residue, non-filterable (TSS)	10	1.0	mg/L	2540D	RAH	11/12/08	10:15
Oil & Grease	ND	2.4	mg/L	1664A	CRM	11/19/08	08:25
Phenols	ND	0.05	mg/L	420.4	MEW	11/17/08	11:46
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/13/08	14:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	11/13/08	14:53
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
4-Nitrophenol	~ ND	0.005	mg/L	625	MF	11/13/08	14:53
Pentachlorophenol	ND	0.001	mg/L	625	MF	11/13/08	14:53
Phenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

12/01/08

Date Received:

11/18/08

Date/Time Sampled:

11/18/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC39374

07:11

NELAP Accredited LELAP 04023 *

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.2	1.0	mg/L	5210B	MWS	11/19/08	10:30
Residue, non-filterable (TSS)	24	1.0	mg/L	2540D	RAH	11/19/08	12:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	11/26/08	08:45
Phenols	ND	0.05	mg/L	420.4	VCB	11/24/08	14:00
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF =	11/19/08	16:59
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/19/08	16:59
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	11/19/08	16:59
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
4-Nitrophenol	ND	0.006	mg/L	625	MF	11/19/08	16:59
Pentachlorophenol	ND	0.001	mg/L	625	MF	11/19/08	16:59
Phenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59

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Ridgeland, Mississippi 39157

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Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

12/12/08

Date Received:

11/25/08

Date/Time Sampled:

Project Number:

11/25/08

07:12

NELAP Accredited

LELAP 04023

Sampled by:

D. Coffey

ATTN: Ron Rutledge

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Project ID/Location:

Outfall 001

WATER

Sample Number: CC39704

Page Number:

Result	Det Limit	Units	Method	Analysts	Date	Time
6.6	1.0	mg/L	5210B	MWS	11/26/08	10:20
13	1.0	mg/L	2540D	RAH	11/25/08	17:40
ND	2.0	mg/L	1664A	CRM	12/11/08	10:25
ND	0.05	mg/L	420.4	VCB	12/03/08	13:48
ND	0.002	mg/L	625	MF	11/26/08	17:23
ND	0.002	mg/L	625	MF	11/26/08	17:23
ND	0.002	mg/L	625	MF	11/26/08	17:23
ND	0.002	mg/L	625	MF	11/26/08	17:23
ND	0.001	mg/L	625	MF	11/26/08	17:23
ND	0.005	mg/L	625	MF	11/26/08	17:23
ND	0.002	mg/L	625	MF	11/26/08	17:23
ND	0.005		625	MF	11/26/08	17:23
0.003	0.001	mg/L	625	MF	11/26/08	17:23
ND	0.002	-	625	MF	11/26/08	17:23
ND	0.002	mg/L	625	MF	11/26/08	17:23
	6.6 13 ND ND ND ND ND ND ND ND ND ND ND ND ND	6.6 1.0 13 1.0 ND 2.0 ND 0.005 ND 0.002 ND 0.005	6.6 1.0 mg/L 13 1.0 mg/L ND 2.0 mg/L ND 0.05 mg/L ND 0.05 mg/L ND 0.002 mg/L ND 0.005 mg/L ND 0.002 mg/L ND 0.005 mg/L ND 0.002 mg/L ND 0.002 mg/L ND 0.002 mg/L	6.6 1.0 mg/L 5210B 13 1.0 mg/L 2540D ND 2.0 mg/L 1664A ND 0.05 mg/L 420.4 ND 0.002 mg/L 625 ND 0.001 mg/L 625 ND 0.005 mg/L 625 ND 0.005 mg/L 625 ND 0.005 mg/L 625 ND 0.005 mg/L 625 ND 0.002 mg/L 625 ND 0.002 mg/L 625 ND 0.002 mg/L 625 ND 0.002 mg/L 625 ND 0.003 mg/L 625 ND 0.005 mg/L 625 ND 0.005 mg/L 625	6.6 1.0 mg/L 5210B MWS 13 1.0 mg/L 2540D RAH ND 2.0 mg/L 1664A CRM ND 0.05 mg/L 420.4 VCB ND 0.002 mg/L 625 MF ND 0.001 mg/L 625 MF ND 0.005 mg/L 625 MF ND 0.005 mg/L 625 MF ND 0.005 mg/L 625 MF ND 0.002 mg/L 625 MF ND 0.002 mg/L 625 MF ND 0.003 0.001 mg/L 625 MF	6.6 1.0 mg/L 5210B MWS 11/26/08 13 1.0 mg/L 2540D RAH 11/25/08 ND 2.0 mg/L 1664A CRM 12/11/08 ND 0.05 mg/L 420.4 VCB 12/03/08 ND 0.002 mg/L 625 MF 11/26/08 ND 0.001 mg/L 625 MF 11/26/08 ND 0.005 mg/L 625 MF 11/26/08

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Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/15/08

Date Received:

10/07/08

Date/Time Sampled:

10/07/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

WATER

Outfall 001

Sample Number: CC37613

07:00

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	73.1	1.0	mg/L	5210B	MWS	10/08/08	13:45
Residue, non-filterable (TSS)	¹⁰	1.0	mg/L	2540D	RAH	10/08/08	09:05
Oil & Grease	ND	2.7	mg/L	1664A	CRM	10/14/08	10:35
Phenols	ND	0.05	mg/L	420.4	MEW	10/10/08	14:20
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/09/08	14:34
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	10/09/08	14:34
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
4-Nitrophenol	ND	0.006	mg/L	625	MF	10/09/08	14:34
Pentachlorophenol	ND	0.001	mg/L	625	MF	10/09/08	14:34
Phenol	ND .	0.002	mg/L	625	MF	10/09/08	14:34
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/31/08

Date Received:

10/15/08

Date/Time Sampled:

10/14/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC37950

NELAP Accredited LELAP 04023,

Page Number:

1

07:11

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	5210B	MWS	10/15/08	10:05
Residue, non-filterable (TSS)	9	1.0	mg/L	2540D	RAH	10/16/08	12:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	10/30/08	10:25
Phenols	0.14	0.05	mg/L	420.4	VCB	10/16/08	11:23
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/15/08	13:59
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	10/15/08	13:59
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
4-Nitrophenol	ND	0.005	mg/L	625	MF	10/15/08	13:59
Pentachlorophenol	0.262	0.002	mg/L	625	MF	10/15/08	13:59
Phenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59

B. G. Giessner, Ph.D.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/04/08

Date Received:

Sampled by:

10/22/08

Date/Time Sampled:

10/21/08

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC38196

07:08

NELAP Accredited . LELAP 04023 '

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	10/22/08	09:40
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RAH	10/22/08	15:40
Oil & Grease	ND	2.5	mg/L	1664A	CRM	11/04/08	10:25
Phenols	ND	0.05	mg/L	420.4	MEW	10/27/08	11:43
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/22/08	17:39
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	10/22/08	17:39
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
4-Nitrophenol	ND	0.006	mg/L	625	MF	10/22/08	17:39
Pentachlorophenol	0.004	0.001	mg/L	625	MF	10/22/08	17:39
Phenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

Sampled by:

11/10/08

Date Received:

10/28/08

Date/Time Sampled:

10/28/08

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC38532

NELAP Accredited

LELAP 04023

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	5210B	MWS	10/29/08	13:50
Residue, non-filterable (TSS)	14	1.0	mg/L.	2540D	RAH	10/29/08	14:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	11/07/08	08:25
Phenois	ND	0.05	mg/L	420.4	VCB	11/05/08	14:39
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/29/08	20:58
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	10/29/08	20:58
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
4-Nitrophenol	ND	0.006	mg/L	625	MF	10/29/08	20:58
Pentachlorophenol	ND	0.001	mg/L	625	MF	10/29/08	20:58
Phenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58

^{*} See supplementary information, attached.

Koppers Inc Water Pretreatment MSP090300 CMI Grenada County-Tie Plant, MS

Office of Pollution Control Laboratory 1542 Old Whitfield Road Pearl MS 39208 601-961-5701

Sample Results

To: WAYNE STOVER LYNNE BURRELL

Sample ID:

AA37316

Location Name:

KOPPERS INC

Location Description: TREATED WASTEWATER

CONSISTING OF WATER

Location Code:

COMPLIANCE

Other No.:

Permit No.:

MSP090300

876

Discharge No.:

MSP090300-001

Master Al No.:

Latitude:

Longitude:

COMPLIANCE Study:

County:

043 GRENADA

Basin:

QA Type:

Division Code:

5700

Requested By:

WAYNE STOVER

Date Collected:

09/18/2008

Time Collected:

10:52

Sample Collector:

LBURRELL

Delivery Mode:

DOUGLAS

Received at Lab by:

TAMMY SAWYER

Date Received at Lab:

09/19/2008

Time Received at Lab:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
Flow mgd		0.020635	MGD	0	LBURRELL
pH, Field Measurement	150.1	7.91	pH units		LBURRELL
Temperature, Water	170.1	29.0	degrees C	0	LBURRELL
Arsenic, Total	200.7	<mql< td=""><td>ug/L</td><td>50.0</td><td>BBRUCE</td></mql<>	ug/L	50.0	BBRUCE
Chromium, Total	200.7	<mql< td=""><td>ug/L</td><td>10.0</td><td>BBRUCE</td></mql<>	ug/L	10.0	BBRUCE
Copper, Total	200.7	<mql< td=""><td>ug/L</td><td>10.0</td><td>BBRUCE</td></mql<>	ug/L	10.0	BBRUCE
2,4,6-Tribromophenol	8270	86	%	10-123	JSHELL
2-Fluorophenol	8270	59	%	21-100	JSHELL
Phenol-d5	8270	77	%	10-194	JSHELL
Pentachlorophenol	8270	<mql< td=""><td>μg/L</td><td>100</td><td>JSHELL</td></mql<>	μg/L	100	JSHELL
Biochemical Oxygen Demand, 5	SM 5210B	8	mg/L	2	KFARRIS
Oil & Grease, Total Hexane	1664A	<mql< td=""><td>mg/L</td><td>5</td><td>VSTAMPS</td></mql<>	mg/L	5	VSTAMPS
Phenois, Total Recoverable	10-210-00-1-B	<mql< td=""><td>mg/L</td><td>0.05</td><td>KFARRIS</td></mql<>	mg/L	0.05	KFARRIS
Solids, Total Suspended	SM 2540 D	4	mg/L	4	OCLARK

ug/L: micrograms/Liter

ABBREVIATIONS / DEFINITIONS

<: less than

MCL: Maximum Contaminant Level MDL: Method Detection Limit

LSPC: result less than lower specification USPC: result greater than upper specification

TIE: Tentatively Identified or Estimated

>: greater than z: surrogate

COC Date: Date Chain of Custody Signed COC TIME: Time Chain of Custody

SAMPLE COMMENTS

mg/L: milligrams/Liter

ug/g: micrograms/gram

ppm: parts per million

ppb: parts per billion

mg/kg: milligrams/kilogram

SAMPLE LOCATION: REMOVED FROM THE CONDITIONING OF WOOD

BOILER BLO

ENVIRONMENT CONDITION: WARM AND SUNNY

WHERE TAKEN: EFFLUENT VALVE ON DICHARGE LINE TO CITY SEWER

Sample Validation Date 11/05/2008

Validated By

Date Report Printed 11/05/2008

7. 898	P	(. /	OF POLLUTION)	
B			SAM	PLE REQUEST F	ORM	Lab Bench No	
ı.	GENERAL INFORMATI	ON; Facili	ty Name	OPPERS I	AC (AI	:876)	11
	County Code 1	DRENAD	A	NP:	DES Permit	NoMSP	090300
	Discharge No	00			Date Req	uested	9-2008
	Sample Point Iden			N CONSISTING	OF HO KEN	DIRD FROM THE	DNOITIONING OF WO
	Requested By	MAXNE	DOUR	E1 \ /Td.	Data To me 🔀) Oth	er ()	JCR
	• •		Composite (riow) (III	me > Oth	er ()	^
11.	SAMPLE IDENTIFICATION		KM SUM	W.	Co1	lected By	PUREEU
	Environment Condi			N. C. LANIX		CITY SEWE	
	Where Taken <u>EFF</u>		ameters	Pro	eservative	Date	Time
	1 0-4		55	CHM		9-18-01	£ -
	640		DRD PHENOL		-	9-18-D	E 1052
2-11	B6 . 6843	TOTAL	HENOUS	H250	1 PH = 2	9-18-C	1052
<i>J</i> / –	4. GRAD	10114 B	okkast.	HCI	PH =2	9-18-	OR 1052
	5. MM	As Cv. C		HN 02	PH 22	9-TR-	DB 105Z
II.	FIELD:			.)		. 10	
	Analysis		er Code	Request	Results	<u>Analyst</u>	Date
	pH 5.5-9.5	-	0400)	\sim 7.9	<u> </u>		9-15-08
	D.O.	•	0300)	10 50	A 00		- A In IN
	Temperature		0010)	× 21	0 1	<u></u>	1-18-00
	Residual Chlorine	20100	0060)	40 3 52	0/2/ MI	T 	918 41
T 17	Flow TRANSPORTATION OF		4060)	(X)	0635M6 Other (9-18-00
	LABORATORY: Recei		am Jan	- •	Date 9		Time AVSS
٧.	Recorded By	ived by	X OCC			State Office	1146 1143)
	necorded by	Computer					Date
	Analysis	Code	Request	Res	sult	Analyst	Measured
	BOD ₅	(000310)	()		mg/1		*
	COD	(000340)	()		mg/1		
	TOC	(000680)	()		mg/1		
	Suspended Solids		()		mg/1		
	TKN	(000625)	()		mg/1		
	Ammonia-N	(000610)	().		mg/1		_
	Fecal Coliform(1)		() -		les/100 ml		_ *
	<pre>Fecal Coliform(2)</pre>		() -	coloni	es/100 ml		<u> </u>
	Total Phosphorus Oil and Grease(1)	(000665) (000550)	-		ing/1		
	Oil and Grease(1)	(000550)			mg/1 mg/1		
	Chlorides	(099016)	-		ng/1		-
	Phenol	(032730)	() -		mg/1		
	Total Chromium	(001034)	()		mg/1		
	Hex. Chromium	(001032)	() -		mg/1		
	Zinc	(001092)	()		mg/1		
	Copper	(001042)	()		mg/1		
	Lead	(017501)	()		mg/1		
	Cyanide	(000722)	()		mg/1		
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•			() -	***************************************			
•	Remarks		` ′ -				

*Date of Test Initiation



235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/09/08

Date Received:

09/02/08

Date/Time Sampled:

09/02/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC36134

NELAP Accredited

LELAP 04023

Page Number:

1

07:05

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	09/04/08	07:05
Residue, non-filterable (TSS)	15	1.0	mg/L	2540D	RAH	09/03/08	11:00
Oil & Grease	3.15	2.2	mg/L	1664A	CRM	09/04/08	15:15
Phenols	0.06	0.05	mg/L	420.4	VCB	09/05/08	13:31
Phenolic Compounds			J				
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2-Chlorophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	09/03/08	17:58
2,4-Dinitrophenol	ND	0.010	mg/L	625	MF	09/03/08	17:58
2-Nitrophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
4-Nitrophenol	ND	0.010	mg/L	625	MF	09/03/08	17:58
Pentachlorophenol	ND	0.002	mg/L	625	MF	09/03/08	17:58
Phenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58



^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/17/08

Date Received:

09/09/08

Date/Time Sampled:

09/09/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC36480

Page Number:

1

07:07

NELAP Accredited

LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen-Demand	13.8	1.0	mg/L	5210B	MWS	09/11/08	06:55
Residue, non-filterable (TSS)	6	1.0	mg/L	2540D	RAH	09/12/08	11:00
Oil & Grease	ND	2.1	mg/L	1664A	CRM	09/15/08	08:40
Phenols	0.06	0.05	mg/L	420.4	VCB	09/16/08	14:08
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2-Chlorophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	09/11/08	12:33
2,4-Dinitrophenol	ND	0.010	mg/L	625	MF	09/11/08	12:33
2-Nitrophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
4-Nitrophenol	ND	0.010	mg/L	625	MF	09/11/08	12:33
Pentachlorophenol	ND	0.002	mg/L	625	MF	09/11/08	12:33
Phenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33

^{*} See supplementary information, attached.



235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/22/08

Date Received:

09/16/08

Date/Time Sampled:

09/16/08

Sampled by:

R. Rutledge

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC36736

NELAP Accredited **LELAP 04023**

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	5210B	MWS	09/17/08	09:10
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RAH	09/18/08	12:15
Oil & Grease	ND	2.0	mg/L	1664A	RLT	09/18/08	11:45
Phenols	ND	0.05	mg/L	420.4	VCB	09/19/08	13:38
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2-Chlorophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	09/17/08	14:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	09/17/08	14:19
2-Nitrophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
4-Nitrophenol	ND	0.005	mg/L	625	MF	09/17/08	14:19
Pentachlorophenol	ND	0.001	mg/L	625	MF	09/17/08	14:19
Phenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2,4,6-Trichlorophenol	'ND	0.002	mg/L	625	MF	09/17/08	14:19

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/29/08

Date Received:

09/23/08

Date/Time Sampled:

09/23/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC37021

NELAP Accreditêd

LELAP 04023

Page Number:

1

07:00

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	15.0	^a 1.0	mg/L	5210B	MWS	09/24/08	08:15
Residue, non-filterable (TSS)	3	1.0	mg/L	2540D	RAH	09/24/08	16:15
Oil & Grease	ND	2.3	mg/L	1664A	CRM	09/25/08	08:30
Phenols	ND	0.05	mg/L	420.4	VCB	09/25/08	13:05
			_				
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2-Chlorophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	09/25/08	13:52
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	09/25/08	13:52
2-Nitrophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
4-Nitrophenol	ND	0.006	mg/L	625	MF	09/25/08	13:52
Pentachlorophenol	ND	0.001	mg/L	625	MF	09/25/08	13:52
Phenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/08/08

Date Received:

09/30/08

Date/Time Sampled:

09/30/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC37342

Page Number:

1

07:08

NELAP Accredited

LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	10/01/08	09:20
Residue, non-filterable (TSS)	4	1.0	mg/L	2540D	RAH	10/02/08	13:30
Oil & Grease	ND	2.5	mg/L	1664A	CRM	10/02/08	09:45
Phenols	ND	0.05	mg/L	420.4	VCB	10/03/08	12:56
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2-Chlorophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	10/02/08	14:45
2,4-Dinitrophenol	ND	0.010	mg/L	625	MF :	10/02/08	14:45
2-Nitrophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
4-Nitrophenol	ND	0.010	mg/L	625	MF	10/02/08	14:45
Pentachlorophenol	ND	0.002	mg/L	625	MF	10/02/08	14:45
Phenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45



NELAP Accredited **LELAP 04023**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

08/19/08

Date Received:

08/07/08

Date/Time Sampled:

08/07/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC35039

Page Number:

1

07:12

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	5210B	MWS	08/08/08	09:10
Residue, non-filterable (TSS)	5	1.0	mg/L	2540D	VCB	08/08/08	14:30
Oil & Grease	ND	2.5	mg/L	1664A	CRM	08/18/08	10:50
Phenols	ND	0.05	mg/L	420.4	MEW	08/14/08	12:01
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2-Chlorophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	08/11/08	14:48
2,4-Dinitrophenol	ND	0.011	mg/L	625	MF	08/11/08	14:48
2-Nitrophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
4-Nitrophenol	ND	0.011	mg/L	625	MF	08/11/08	14:48
Pentachlorophenol	0.127	0.002	mg/L	625	MF	08/11/08	14:48
Phenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48

^{*} See supplementary information, attached.

NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

08/27/08

Date Received:

Sampled by:

08/12/08

Date/Time Sampled:

08/12/08

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC35193

Page Number:

1

07:07

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	5210B	MWS	08/13/08	08:00
Residue, non-filterable (TSS)	6	1.0	mg/L	2540D	VCB	08/13/08	15:30
Oil & Grease	ND	2.8	mg/L	1664A	CRM	08/26/08	11:30
Phenols	0.07	0.05	mg/L	420.4	MEW	08/14/08	12:01
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2-Chlorophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	08/13/08	13:56
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	08/13/08	13:56
2-Nitrophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
4-Nitrophenol	ND	0.006	mg/L	625	MF	08/13/08	13:56
Pentachlorophenol	ND	0.001	mg/L	625	MF	08/13/08	13:56
Phenol	ŊD	0.002	mg/L	625	MF	08/13/08	13:56
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/03/08

Date Received:

08/19/08

Date/Time Sampled:

08/19/08

Sampled by:

DC

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC35498

NELAP Accredited

LELAP 04023

Page Number:

1

07:00

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.3	1.0	mg/L	5210B	MWS	08/20/08	08:35
Residue, non-filterable (TSS)	8	1.0	mg/L	2540D	VCB	08/19/08	14:00
Oil & Grease	ND	2.0	mg/L	1664A	RLT	08/29/08	10:00
Phenols	0.07	0.05	mg/L	420.4	MEW	08/21/08	13:38
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2-Chlorophenol	ND 8	0.002	mg/L	625	MF	08/21/08	12:57
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	08/21/08	12:57
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	08/21/08	12:57
2-Nitrophenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
4-Nitrophenol	ND	0.005	mg/L	625	MF	08/21/08	12:57
Pentachlorophenol	ND	0.001	mg/L	625	MF	08/21/08	12:57
Phenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2,4,6-Trichlorophenol	,ND ND	0.002	mg/L	625	MF	08/21/08	12:57

* See supplementary information, attached.

B. G. Giessner, Ph.D.



NELAP Accredited **LELAP 04023**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/03/08

Date Received:

08/26/08

Date/Time Sampled:

08/26/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC35834

Page Number:

1

07:00

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	17.6	1.0	mg/L	5210B	MWS	08/28/08	07:00
Residue, non-filterable (TSS)	18	1.0	mg/L	2540D	RAH	08/27/08	15:00
Oil & Grease	3.30	2.2	mg/L	1664A	RLT	09/02/08	11:30
Phenols	ND	0.05	mg/L	420.4	MEW	08/28/08	13:23
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2-Chlorophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	08/28/08	15:21
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	08/28/08	15:21
2-Nitrophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
4-Nitrophenol	ND	0.005	mg/L	625	MF	08/28/08	15:21
Pentachlorophenol	0.012	0.001	mg/L	625	MF	08/28/08	15:21
Phenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2,4,6-Trichlorophenol	ŇD	0.002	mg/L	625	MF	08/28/08	15:21

^{*} See supplementary information, attached.

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Acceedited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/16/08

Date Received:

07/09/08

Date/Time Sampled:

07/09/08

07:15

Sampled by:

DW

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC33699

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.4	1.0	mg/L	5210B	DBM	07/10/00	00.05
Residue, non-filterable (TSS)	10	1.0	mg/L	2540D	_	07/10/08	09:35
Oil & Grease	ND	2.0	mg/L	1664A	RAH	07/10/08	12:30
Phenols	ND	0.05	mg/L	420.4	CRM VCB	07/16/08 07/14/08	12:10 13:06
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	ME	0540.00	
2-Chlorophenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
2,4-Dichlorophenol	ND	0.002	_		MF	07/10/08	11:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
2,4-Dinitrophenol	ND	0.001	mg/L	625	MF	07/10/08	11:12
2-Nitrophenol	ND		mg/L	625	MF	07/10/08	11:12
4-Nitrophenol		0.002	mg/L	625	MF	07/10/08	11:12
Pentachlorophenol	ND	0.006	mg/L	625	MF	07/10/08	11:12
Phenol	ND	0.001	mg/L	625	MF	07/10/08	11:12
	ND	0.002	mg/L	625	MF	07/10/08	11:12
2,4,6-Trichlorophenol	Y'ND	0.002	mg/L	625	MF	07/10/08	11:12

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/25/08

Date Received:

07/16/08

Date/Time Sampled:

07/15/08

Sampled by:

D. Coffey

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC33993

ودري

07:10

NELAP Accredited

LELAP 04023

Page Number: 1

Parameter Result **Det Limit** Units Method Analysts Date Time Biochemical Oxygen Demand 21.0 1.0 mg/L 5210B **DBM** 07/17/08 07:00 Residue, non-filterable (TSS) 23 1.0 mg/L 2540D **RAH** 17:00 07/17/08 Oil & Grease ND 2.5 mg/L 1664A **CRM** 07/24/08 13:45 Phenols ND 0.05 mg/L 420.4 VCB 07/23/08 13:30 Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 MF 07/18/08 10:44 2-Chlorophenol ND 0.002 mg/L 625 MF 07/18/08 10:44 2,4-Dichlorophenol ND 0.002 mg/L 625 MF 07/18/08 10:44 2,4-Dimethylphenol 0.002 ND mg/L 625 MF 07/18/08 10:44 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 MF 07/18/08 10:44 2,4-Dinitrophenol ND 0.006 mg/L 625 MF 07/18/08 10:44 2-Nitrophenol ND 0.002 mg/L 625 MF 07/18/08 10:44 4-Nitrophenol ND 0.006 mg/L 625 MF 07/18/08 10:44 Pentachlorophenol 0.006 0.001 mg/L 625 MF 07/18/08 10:44 Phenol ND 0.002 mg/L 625 MF 07/18/08 10:44 2,4,6-Trichlorophenol ND 0.002 mg/L 625 MF 07/18/08 10:44

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/29/08

Date Received:

07/22/08

Date/Time Sampled:

Sampled by:

07/22/08 DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC34282

NELAP Accredited

LELAP 04023

Page Number:

1

07:11

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	DBM	07/23/08	09:20
Residue, non-filterable (TSS)	13	1.0	mg/L	2540D	MWS	07/23/08	14:45
Oil & Grease	ND	2.5	mg/L	1664A	CRM	07/28/08	12:05
Phenols	ND :	0.05	mg/L	420.4	MEW	07/29/08	12:15
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2-Chlorophenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF :	07/23/08	19:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	07/23/08	19:47
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	07/23/08	19:47
2-Nitrophenol	ND	0.002	mg/L	625	MF		
4-Nitrophenol	ND	0.006	mg/L	625	MF	07/23/08	19:47
Pentachlorophenol	0.015	0.001	mg/L	625	MF	07/23/08	19:47
Phenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	07/23/08 07/23/08	19:47 19:47

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/09/08

Date Received:

06/03/08

Date/Time Sampled:

06/03/08

07:11

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC31765

NELAP Accredited **LELAP 04023**

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	06/04/08	08:15
Residue, non-filterable (TSS)	27	1.0	mg/L	2540D	RAH	06/04/08	11:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/05/08	10:35
Phenols	ND	0.05	mg/L	420.4	MEW	06/05/08	11:23
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/04/08	23:12
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/04/08	23:12
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/04/08	23:12
Pentachlorophenol	0.004	0.001	mg/L	625	MF	06/04/08	23:12
Phenol	□ ND	0.002	mg/L	625	MF	06/04/08	23:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12

* See supplementary information, attached.

B. G. Giessner, Ph.D.



GUARDIAN SYSTEMS, INC.

1108 Ashville Road P.O. Box 190 Leeds, Alabama 35094 Telephone 29
Wats 8

205/ 699-6647 866/729-7211

Fax

205/699-3882

Page: 1

Koppers, Inc. 1 Koppers Drive Tie Plant, MS 38960

Report Date: 6/20/08 Receive Date: 6/12/08 Receive Time: 10:30

Attention: Mr. Ron Rutledge

Control No: 0806-00135 Sample # 001

roi No : 0806-00135 Sample # 00 oler : RR Sample Date: 6/11/08 Sample Time: 8:00

Sampler: RR Sample ID: 001A

LABORATORY CERTIFICATE

	4. 10	011111111111111111111111111111111111111	,				
PARAMETER	RESULTS	UNITS	ANAL DATE	TIME	METHOD		
Biochemical Oxygen De BOD, Initial Set-up BOD, Final Read Back EPA Method 625 Pentachlorophenol Phenolics(4AAP) Oil and Grease, Total Solids, Total Suspendi	<5.0 <0.04 <5.0	mg/L ug/L mg/L mg/L mg/L	LSC 6/18/08 LSC 6/13/08 LSC 6/18/08 JRD 6/16/08 JRD 6/16/08 MJN 6/19/08 LSC 6/12/08	8:00 9:00 11:40 11:40 15:00 18:00	1664	(1) (1) (1)	

Approved by:

METHOD REFERENCES

(1) Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993, May 1994

(2) Standard Methods for the Examination of Water and Waste Water, 18th, 19th, and 20th Edition, 1998

(3) Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996

(4) 1987 ASTM Annual Standards

(5) Code of Federal Regulations, Title 40, Part 136, Appendix A, Revised July 1995

(6) Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July 1991, August 1995

(7) NIOSH Manual of Analytical Methods, 4th Edition, May 1996

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/24/08

Date Received:

06/17/08

Date/Time Sampled:

06/17/08

07:12

Sampled by:

DC

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC32343

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	5210B	MWS	06/18/08	07:50
Residue, non-filterable (TSS)	21	1.0	mg/L	2540D	RAH	06/19/08	14:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/24/08	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	06/20/08	12:28
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/18/08	16:10
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	06/18/08	16:10
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
4-Nitrophenol	ND	0.006	mg/L	625	MF	06/18/08	16:10
Pentachlorophenol	0.006	0.001	mg/L	625	MF	06/18/08	16:10
Phenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2,4,6-Trichlorophenol	J'ND	0.002	mg/L	625	MF	06/18/08	16:10

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited -**LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/03/08

Date Received:

06/24/08

Date/Time Sampled:

Project Number:

06/24/08

07:10

Sampled by:

DC

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC32732

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	5210B	DBM	06/25/08	10:30
Residue, non-filterable (TSS)	19	1.0	mg/L	2540D	RAH	06/25/08	14:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/30/08	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	07/03/08	12:53
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/25/08	14:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	06/25/08	14:00
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
4-Nitrophenol	ND	0.006	mg/L	625	MF	06/25/08	14:00
Pentachlorophenol	0.006	0.001	mg/L	625		06/25/08	14:00
Phenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

05/14/08

Date Received:

05/06/08

Date/Time Sampled:

05/06/08

07:10

Sampled by:

DC

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC30698

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	05/07/08	10:20
Residue, non-filterable (TSS)	20	1.0	mg/L	2540D	RAH	05/07/08	12:10
Oil & Grease	ND	2.4	mg/L	1664A	CRM	05/13/08	12:10
Phenois	ND	0.05	mg/L	420.4	MEW	05/14/08	12:48
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
4,6-Dinitro-2-methylphenol	ND .	0.001	mg/L	625	MF	05/08/08	15:17
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/08/08	15:17
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/08/08	15:17
Pentachlorophenoi	0.005	0.001	mg/L	625	MF a	05/08/08	15:17
Phenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17

^{*} See supplementary information, attached.

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Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/22/08

Date Received:

05/13/08

Date/Time Sampled:

05/13/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC30999

07:11

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	05/14/08	10:35
Residue, non-filterable (TSS)	15	1.0	mg/L	2540D	RAH	05/14/08	11:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	05/20/08	10:20
Phenois	ND	0.05	mg/L	420.4	MEW	05/22/08	11:12
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
2-Chlorophenoi	ND	0.002	mg/L	625	MF	05/14/08	02:51
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/14/08	02:51
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/14/08	02:51
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/14/08	02:51
Pentachlorophenol	0.003.	0.001	mg/L	625	MF	05/14/08	02:51
Phenol -	ND	0.002	mg/L	625	MF	05/14/08	02:51
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51

B. G. Giesmer, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/27/08

Date Received:

05/20/08

Date/Time Sampled:

05/20/08

Sampled by:

DC

07:11

8

Facility Discharge

Weekly Requirements

Sample Description:

Project ID/Location:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC31301

Page Number:

1

NELAP Accredited
LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	5210B	MWS	05/22/08	06:55
Residue, non-filterable (TSS)	28	1.0	mg/L	2540D	RAH	05/21/08	15:45
Oil & Grease	ND	2.3	mg/L	1664A	CRM	05/23/08	12:00
Phenols	ND	0.05	mg/L	420.4	MEW	05/22/08	11:12
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/21/08	17:26
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/21/08	17:26
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/21/08	17:26
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/21/08	17:26
Phenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/05/08

Date Received:

05/27/08

Date/Time Sampled:

05/27/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC31512

07:06

LELAP 04023

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
	4.5	1.0	mg/L	5210B	MWS	05/28/08	10:25
Biochemical Oxygen Demand	16	1.0	mg/L	2540D	RAH	05/28/08	11:50
Residue, non-filterable (TSS)	ND	2.2	mg/L	1664A	CRM	05/30/08	13:00
Oil & Grease Phenols	ND	0.05	mg/L	420.4	MEW	06/05/08	11:23
Phenolics			m /T	625	MF	05/28/08	17:13
4-Chloro-3-methylphenol	ND	0.002	mg/L		MF	05/28/08	17:13
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
2,4-Dichlorophenol	ND	0.002	mg/L	625			17:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/28/08	
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/28/08	
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/28/08	
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/28/08	
<u>-</u>	ND	0.006	mg/L	625	MF	05/28/08	
4-Nitrophenol	ND	0.001	mg/L	625	MF	05/28/08	17:13
Pentachlorophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
Phenol 2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13

^{*} See supplementary information, attached.

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NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/16/08

Date Received:

04/08/08

Date/Time Sampled:

04/08/08

07:05

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC29535

Page Number:

Dayonata		<u> </u>	·		_		
Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand Residue, non-filterable (TSS) Oil & Grease Phenols	12.6 42 ND ND	1.0 1.0 2.6 0.05	mg/L mg/L mg/L mg/L	5210B 2540D 1664A 420.4	MWS RAH CRM MEW	04/09/08 04/09/08 04/11/08 04/14/08	07:50 08:20 12:40 11:38
Phenolic Compounds 4-Chloro-3-methylphenol 2-Chlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2,4,6-Trichlorophenol	ND N	0.035 0.035 0.035 0.035 0.018 0.088 0.035 0.088 0.018 0.035	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	625 625 625 625 625 625 625 625 625 625	MF MF MF MF MF MF MF MF	04/09/08 04/09/08 04/09/08 04/09/08 04/09/08 04/09/08 04/09/08 04/09/08	16:05 16:05 16:05 16:05 16:05 16:05 16:05 16:05
			6	023	MF	04/09/08	16:05

B. G. Giessner, Ph.D.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/21/08

Date Received:

04/15/08

Date/Time Sampled:

Sampled by:

04/15/08 07:20 R. Rutledge

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC29885

NELAP Accredited

LELAP 04023

Page Number:

1

					•		
Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.2	1.0	mg/L	5210B	MWS	04/16/08	14:20
Residue, non-filterable (TSS)	36	1.0	mg/L	2540D	RAH	04/16/08	12:00
Oil & Grease	ND	2.6	mg/L	1664A	CRM	04/18/08	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	04/21/08	12:25
Phenolic Compounds		j g					
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2,4-Dimethylphenol	ND ®	0.002	mg/L	625	MF	04/16/08	12:57
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/16/08	12:57
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	04/16/08	12:57
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
4-Nitrophenol	ND	0.005	mg/L	625	MF	04/16/08	12:57
Pentachlorophenol	0.025	0.001	mg/L	625	MF	04/16/08	12:57
Phenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company.

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/07/08

Date Received:

04/22/08

Date/Time Sampled:

04/22/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC30114

NELAP Accredited **LELAP 04023**

Page Number:

1

07:03

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	5210B	MWS	04/23/08	09:40
Residue, non-filterable (TSS)	20	1.0	mg/L	2540D	RAH	04/23/08	16:50
Oil & Grease	ND	2.3	mg/L	1664A	CRM	04/30/08	10:10
Phenols	ND	0.05	mg/L	420.4	MEW	04/24/08	12:00
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/23/08	16:33
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	04/23/08	16:33
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
4-Nitrophenol	ND	0.005	mg/L	625	MF	04/23/08	16:33
Pentachlorophenol	0.007	0.001	mg/L	625	MF	04/23/08	16:33
Phenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
			_			•	

* See supplementary information, attached.

MP1

B. G. Giessner, Ph.D.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/06/08

Date Received:

04/29/08

Date/Time Sampled:

04/29/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC30404

NELAP Accredited

LELAP 04023

Page Number:

1

07:09

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	04/30/08	12.20
Residue, non-filterable (TSS)	12	1.0	mg/L	2540D	RAH		13:20
Oil & Grease	ND	2.5	mg/L	1664A	CRM	02/29/08	17:00
Phenois	ND	0.05	mg/L	420.4	MEW	05/06/08 05/05/08	08:35 12:10
Phenolic Compounds		1.83					
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/01/00	10.44
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2,4-Dichlorophenol	ND	0.002	_	625		05/01/08	10:44
2,4-Dimethylphenol	ND ^a	0.002	mg/L		MF	05/01/08	10:44
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2,4-Dinitrophenol			mg/L	625	MF	05/01/08	10:44
2-Nitrophenol	ND	0.006	mg/L	625	MF	05/01/08	10:44
-	ND	0.002	mg/L	625	MF	05/01/08	10:44
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/01/08	10:44
Pentachlorophenol	0.005	0.001	mg/L	625	MF	05/01/08	10:44
Phenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/01/08	10:44

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/14/08

Date Received:

03/04/08

Date/Time Sampled:

03/04/08

07:00

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC28200

NELAP Accredited

LELAP 04023

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	03/05/08	08:45
Residue, non-filterable (TSS)	23	1.0	mg/L	2540D	RAH	03/05/08	12:00
Oil & Grease	ND	2.4	mg/L	1664A	CRM	03/12/08	08:45
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/05/08	19:59
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	03/05/08	19:59
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
4-Nitrophenol	ND	0.006	mg/L	625	MF	03/05/08	19:59
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/05/08	19:59
Phenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/19/08

Date Received:

03/11/08

Date/Time Sampled:

03/11/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC28471

NELAP Accredited

LELAP 04023

Page Number:

1

07:05

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.4	1.0	mg/L	5210B	MWS	03/12/08	09:40
Residue, non-filterable (TSS)	51	1.0	mg/L	2540D	RAH	03/13/08	09:56
Oil & Grease	ND	2.0	mg/L	1664A	CRM	03/19/08	08:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/13/08	10:16
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/13/08	10:16
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/13/08	10:16
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/13/08	10:16
Phenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/27/08

Date Received:

Date/Time Sampled:

03/18/08

03/18/08

07:10

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC28784

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	03/19/08	10:00
Residue, non-filterable (TSS)	38	1.0	mg/L	2540D	RAH	03/19/08	18:25
Oil & Grease	ND	2.5	mg/L	1664A	CRM	03/25/08	10:15
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/19/08	18:09
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	03/19/08	18:09
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
4-Nitrophenol	ND	0.006	mg/L	625	MF	03/19/08	18:09
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/19/08	18:09
Phenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2,4,6-Trichlorophenol	- ND	0.002	mg/L	625	MF	03/19/08	18:09

MC

B. G. Giessner, Ph.D.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/03/08

Date Received:

03/25/08

Date/Time Sampled: 03/25/08

Sampled by:

DC

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC29016

NELAP Accredited

LELAP 04023

Page Number:

1

07:05

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	25.5	1.0	mg/L	5210B	MWS	03/26/08	09:10
Residue, non-filterable (TSS)	48	1.0	mg/L	2540D	RAH	03/27/08	08:40
Oil & Grease	ND	2.3	mg/L	1664A	CRM	03/31/08	08:35
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/26/08	18:31
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	03/26/08	18:31
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
4-Nitrophenol	ND	0.006	mg/L	625	MF	03/26/08	18:31
Pentachlorophenol	0.009	0.001	mg/L	625	MF	03/26/08	18:31
Phenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/08/08

Date Received:

04/01/08

Date/Time Sampled:

04/01/08

Sampled by:

DC

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Sample Number: CC29246

Page Number:

1

07:08

NELAP Accredited

LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	12.0	1.0	mg/L	5210B	MWS	04/02/08	10:05
Residue, non-filterable (TSS)	71	1.0	mg/L	2540D	RAH	04/02/08	11:45
Oil & Grease	ND	2.7	mg/L	1664A	CRM	04/03/08	10:20
Phenols	ND	0.05	mg/L	420.4	MEW	04/03/08	12:46
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/02/08	17:07
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/02/08	17:07
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/02/08	17:07
Pentachlorophenol	0.006	0.001	mg/L	625	MF	04/02/08	17:07
Phenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07

B. G. Giessner, Ph.D.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/12/08

Date Received:

02/05/08

Date/Time Sampled:

02/05/08

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC27035

07:15

NELAP Accredited **LELAP 04023**

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	02/06/08	09:50
Residue, non-filterable (TSS)	35	1.0	mg/L	2540D	RAH	02/06/08	13:00
Oil & Grease	ND	2.2	mg/L	1664A	CRM	02/11/08	08:35
8							
Phenolic Compounds						39	
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2-Chlorophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	02/07/08	11:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	02/07/08	11:04
2-Nitrophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
4-Nitrophenol	ND	0.005	mg/L	625	RM	02/07/08	11:04
Pentachlorophenol	ND	0.001	mg/L	625	RM -	02/07/08	11:04
Phenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/20/08

Date Received:

02/12/08

Date/Time Sampled:

02/12/08

Sampled by:

DC

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix

WATER

Project Number:

Sample Number: CC27346

Page Number:

1

07:20

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	02/13/08	12:00
Residue, non-filterable (TSS)	43	1.0	mg/L	2540D	RAH	02/13/08	13:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/19/08	08:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND =	0.002	me/L	625	MF	02/13/08	17:53
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/13/08	17:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	02/13/08	17:53
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
4-Nitrophenol	ND	0.005	mg/L	625	MF	02/13/08	17:53
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/13/08	17:53
Phenol	ND	0.002	mg/L	625		02/13/08	17:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

LELAP 04023

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

02/28/08

Date Received:

02/19/08

Date/Time Sampled:

Project Number:

02/18/08

07:05

Sampled by:

DC

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matric

Outfall 001

WATER

Sample Number: CC27682

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysis	Date	Time
Biochemical Oxygen Demand	27.0	1.0	mg/L	5210B	MWS	02/20/08	07:00
Residue, non-filterable (TSS)	409	1.0	mg/L	2540D	RAH	02/20/08	11:50
Oil & Grease	ND	23	mg/L	1664A	CRM	02/26/08	09:15
Phenois							
4-Chloro-3-methylphenol	ND ·	0.002	mg/L	625	MF	02/21/08	13:28
2-Chlorophenol	ND	0.002	mg/L	625 .	MF	02/21/08	13:28
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
2.4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
4.6-Dinitro-2-methylphenol	ND	0.001	mg/L	625 ··	MF	02/21/08	13:28
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/21/08	13:28
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/21/08	13:28
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/21/08	13:28
Phenol	ND	0.002	mg/L	625	MF ·	02/21/08	13:28
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/03/08

Date Received:

02/26/08

Date/Time Sampled:

02/26/08

07:05

Sampled by:

DC

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC27916

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	5210B	MWS	02/27/08	00.55
Residue, non-filterable (TSS)	42	1.0	mg/L	2540D	RAH		08:55
Oil & Grease	ND	2.5	mg/L	1664A	CRM	02/29/08 02/29/08	09:40 10:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/27/08	17-00
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/27/08	17:00 17:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	•	
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/27/08 02/27/08	17:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF		17:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/27/08	17:00
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/27/08	17:00
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/27/08	17:00
Phenoi	ND	0.002	mg/L	625		02/27/08	17:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625 625	MF MF	02/27/08 02/27/08	17:00 17:00

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/09/08

Date Received:

01/02/08

Date/Time Sampled:

01/02/08

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC25637

NELAP Accredited

LELAP 04023

Page Number:

1

09:05

Residue, non-filterable (TSS) 39 1.0 mg/L 2540D RAH 01/03/08 Oil & Grease ND 2.0 mg/L 1664A CRM 01/08/08 Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/04/08 2-Chlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08								
Residue, non-filterable (TSS) 39 1.0 mg/L 2540D RAH 01/03/08 Oil & Grease ND 2.0 mg/L 1664A CRM 01/08/08 Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/04/08 2-Chlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/	Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenolic Compounds ND 2.0 mg/L 1664A CRM 01/08/08 Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/04/08 2-Chlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 <t< td=""><td>Biochemical Oxygen Demand</td><td>25.5</td><td>1.0</td><td>mg/L</td><td>5210B</td><td>MWS</td><td>01/03/08</td><td>09:25</td></t<>	Biochemical Oxygen Demand	25.5	1.0	mg/L	5210B	MWS	01/03/08	09:25
Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/04/08 2-Chlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	Residue, non-filterable (TSS)	3 9	1.0	mg/L	2540D	RAH	01/03/08	12:00
4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/04/08 2-Chlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/08/08	10:30
2-Chlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	Phenolic Compounds							
2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/04/08 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/04/08 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	2-Chlorophenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/04/08 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/04/08 2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625 °	RM	01/04/08	11:27
2-Nitrophenol ND 0.002 mg/L 625 RM 01/04/08 4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/04/08	11:27
4-Nitrophenol ND 0.005 mg/L 625 RM 01/04/08 Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	•	ND	0.002	mg/L	625	RM	01/04/08	11:27
Pentachlorophenol ND 0.001 mg/L 625 RM 01/04/08 Phenol ND 0.002 mg/L 625 RM 01/04/08	•	ND	0.005	mg/L	625	RM	01/04/08	11:27
Phenol ND 0.002 mg/L 625 RM 01/04/08	-	ND	0.001	mg/L	625	RM	01/04/08	11:2
2,4,6-Trichlorophenol ND 0.002 mg/L 625 RM 01/04/08	•	ND	0.002	_	625	RM	01/04/08	11:2
	2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/04/08	11:2



^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/15/08

Date Received:

01/08/08

Date/Time Sampled:

01/08/08

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC25829

NELAP Accredited **LELAP 04023**

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	22.5	1.0	mg/L	5210B	MWS	01/09/08	08:40
Residue, non-filterable (TSS)	18	1.0	mg/L	2540D	RAH	01/10/08	12:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/15/08	08:25
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2-Chlorophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2.4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	01/10/08	10:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/10/08	10:42
2-Nitrophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
4-Nitrophenol	ND	0.005	mg/L	625	RM	01/10/08	10:42
Pentachlorophenol	ND	0.001	mg/L	625	RM	01/10/08	10:42
Phenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42

B. G. Giessner, Ph.D.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/24/08

Date Received:

01/15/08

Date/Time Sampled:

01/15/08

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC26316

NELAP Accredited **LELAP 04023**

Page Number:

1

07:20

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.4	1.0	mg/L	5210B	MWS	01/16/08	10:40
Residue, non-filterable (TSS)	41	1.0	mg/L	2540D	RAH	01/17/08	13:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/24/08	08:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2-Chlorophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	01/16/08	21:06
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/16/08	21:06
2-Nitrophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
4-Nitrophenol	ND	0.005	mg/L	625	RM	01/16/08	21:06
Pentachlorophenol	ND	0.001	mg/L	625	RM	01/16/08	21:06
Phenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/29/08

Date Received:

01/22/08

Date/Time Sampled:

01/22/08

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC26553

NELAP Accredited **LELAP 04023**

Page Number:

1

07:35

Residue, non-filterable (TSS) 160 1.0 mg/L 2540D RAH 01/23/08 13 13 160 1.0 mg/L 1664A CRM 01/28/08 10 10 10 10 10 10 10	Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Residue, non-filterable (TSS) 160 1.0 mg/L 2540D RAH 01/23/08 13 Oil & Grease ND 2.3 mg/L 1664A CRM 01/28/08 10 Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/24/08 11 2-Chlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND <td>Biochemical Oxygen Demand</td> <td>25.5</td> <td>1.0</td> <td>mg/L</td> <td>5210B</td> <td>MWS</td> <td>01/23/08</td> <td>16:35</td>	Biochemical Oxygen Demand	25.5	1.0	mg/L	5210B	MWS	01/23/08	16:35
Oil & Grease ND 2.3 mg/L 1664A CRM 01/28/08 10 Phenolic Compounds 4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/24/08 11 2-Chlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L	• • • • • • • • • • • • • • • • • • • •	160	1.0	mg/L	2540D	RAH	01/23/08	13:05
4-Chloro-3-methylphenol ND 0.002 mg/L 625 RM 01/24/08 11 2-Chlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	· · · · · · · · · · · · · · · · · · ·	ND	2.3	mg/L	1664A	CRM	01/28/08	10:50
2-Chlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	Phenolic Compounds							
2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
2,4-Dichlorophenol ND 0.002 mg/L 625 RM 01/24/08 11 2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	2-Chlorophenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
2,4-Dimethylphenol ND 0.002 mg/L 625 RM 01/24/08 11 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11		ND	0.002	mg/L	625	RM	01/24/08	11:06
4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RM 01/24/08 11 2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	•	ND	0.002	mg/L	625	RM	01/24/08	11:06
2,4-Dinitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	•	ND	0.001	mg/L	625	RM ·	01/24/08	11:06
2-Nitrophenol ND 0.002 mg/L 625 RM 01/24/08 11 4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	• • •	ND	0.005	mg/L	625	RM	01/24/08	11:06
4-Nitrophenol ND 0.005 mg/L 625 RM 01/24/08 11	•	ND	0.002	mg/L	625	RM	01/24/08	11:06
* 400 7037 0410400 44	-	ND	0.005	mg/L	625	RM	01/24/08	11:06
	•	0.015	0.001	mg/L	625	RM	01/24/08	11:06
	-	ND	0.002	mg/L	625	RM	01/24/08	11:06
			0.002		625	RM	01/24/08	11:06

B. G. Giessner, Ph.D.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/06/07

Date Received:

01/30/07

Date/Time Sampled:

01/30/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC12403

NELAP Accredited **LELAP 04023**

Page Number:

1

07:20

Biochemical Oxygen Demand Oil & Grease Total Suspended Solids	9.6 ND 87	1.0 2.0 1.0	mg/L mg/L mg/L	405.1 1664A	MWS CRM	01/31/07 02/01/07	14:30
Oil & Grease			_		CRM	02/01/07	40.00
Total Suspended Solids	87	1.0	mg/L	4.00.0		02/01/07	10:30
			U	160.2	SMB	02/02/07	09:15
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2-Chlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
2-Nitrophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4-Nitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
Pentachlorophenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
Phenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/04/08

Date Received:

Sampled by:

12/26/07

Date/Time Sampled:

12/26/07

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC25473

09:05

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
	8.1	1.0	mg/L	5210B	3	12/26/07	17:00
Biochemical Oxygen Demand	23	1.0	mg/L	2540D	RAH	12/27/07	15:00
Residue, non-filterable (TSS) Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/04/08	08:30
Phenois				626	RM	12/31/07	18:38
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
2-Chlorophenol	ND	0.002	mg/L	625			18:38
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/31/07	
2.4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/31/07	18:38
2,4-Dinitrophenol	nD	0.005	mg/L	625	RM	12/31/07	18:38
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
•	ND	0.005	mg/L	625	RM	12/31/07	18:38
4-Nitrophenol	ND	0.001	mg/L	625	RM	12/31/07	18:38
Pentachlorophenol				625	RM	12/31/07	
Phenol	ND	0.002	mg/L		RM	12/31/07	
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KTAY	1431/01	70.30

B. G. Giessner, Ph.D.

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

01/02/08

Date Received:

12/19/07

Date/Time Sampled:

12/19/07

09:12

ATTN: Ron Rutledge

Sampled by:

RB

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001 WATER

Project Number:

Sample Number: CC25231

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysis	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	10/21/07	08:15
Residue, non-filterable (TSS)	31	1.0	mg/L	2540D	RAH	12/21/07	11:30
Oil & Grease	. ND	2.0	mg/L	1664A	CRM	01/02/08	08:25
*			_				- 4.22
Phenolic Compounds				b.			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2-Chlorophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/21/07	10:17
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	12/21/07	10:17
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
4-Nitrophenol	ND	0.005	mg/L	625	RM	12/21/07	10:17
Pentachlorophenol	ND	0.001	mg/L	625	RM	12/21/07	10:17
Phenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17

^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

12/21/07

Date Received:

12/13/07

Date/Time Sampled:

Sampled by:

12/13/07

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC24901

Page Number:

1

07:10

Parameter		Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand		6.0	1.0	mg/L	5210B	MWS	12/14/07	10:05
Residue, non-filterable (TSS)		36	1.0	mg/L	2540D	SMB	12/14/07	08:00
Oil & Grease		ND	2.3	mg/L	1664A	CRM	12/20/07	08:45
Phenols								
4-Chloro-3-methylphenol		ND	0.002	mg/L	625	RM	12/17/07	10:42
2-Chlorophenol		ND	0.002	mg/L	625	RM	12/17/07	10:42
2,4-Dichlorophenol		ND	0.002	mg/L	625	RM	12/17/07	10:42
2,4-Dimethylphenol		ND	0.002	mg/L	625	RM	12/17/07	-10:42
4,6-Dinitro-2-methylphenol		ND	0.001	mg/L	625	RM	12/17/07	10:42
2,4-Dinitrophenol		ND	0.006	mg/L	625	RM	12/17/07	10:42
2-Nitrophenol		ND	0.002	mg/L	625	RM	12/17/07	10:42
4-Nitrophenol		ND	0.006	mg/L	625	RM	12/17/07	10:42
Pentachlorophenol		ND	0.001	mg/L	625	RM	12/17/07	10:42
Phenol	8	ND	0.002	mg/L	625	RM	12/17/07	10:42
2,4,6-Trichlorophenol		ND	0.002	mg/L	625	RM	12/17/07	10:42

B. G. Giessner, Ph.D.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

12/10/07

Date Received:

12/04/07

Date/Time Sampled:

12/04/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC24450

Page Number:

1

07:30

NELAP Accredited

LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	16.5	1.0	mg/L	5210B	MWS	12/05/07	13:15
Residue, non-filterable (TSS)	71	1.0	mg/L	2540D	RAH	12/06/07	10:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/05/07	09:20
Phenois							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2-Chlorophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/05/07	18:13
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	12/05/07	18:13
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
4-Nitrophenol	ND	0.005	mg/L	625	RM	12/05/07	18:13
Pentachlorophenol	0.001	0.001	mg/L	625	RM	12/05/07	18:13
Phenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13



235 Highpoint Drive

Telephone: 601/957-2676 FAX: 601/957-1887

Ridgeland, Mississippi 39157

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

12/04/07

NELAP Accredited

LELAP 04023

07:15

Date Received:

11/27/07

Date/Time Sampled:

11/27/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

WATER

Outfall 001

Sample Number: CC24200

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	13.5	1.0	mg/L	5210B	MWS	11/28/07	10:40
Residue, non-filterable (TSS)	66	1.0	mg/L	2540D	RAH	11/28/07	11:35
Oil & Grease	7.33	6.7	mg/L	1664A	CRM	11/30/07	08:30
Phenolic Compounds	9			*2		t ia	
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2.4-Dimethylphenol	ND	0,002	mg/L	625	RLT	11/28/07	19:3
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/28/07	19:3
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/28/07	19:3
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:3
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/28/07	19:3
Pentachlorophenol	0.013	0.001 *	mg/L	625	RLT	11/28/07	19:3
Phenoi	ND	0.002	mg/L	625	RLT	11/28/07	19:3
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:3

Quality Assurance/Q

See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/27/07

Date Received:

11/20/07

Date/Time Sampled:

11/20/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC24068

NELAP Accredited LELAP 04023

Page Number:

1

09:07

Biochemical Oxygen Demand 22.5 1.0 mg/L 5210 Oil & Grease ND 2.0 mg/L 1664 Residue, non-filterable (TSS) 47 1.0 mg/L 2540	A CRM	11/27/07	
			08:10
Residue, non-filterable (TSS) 47 1.0 mg/L 2540.	D RAH		
		11/21/07	15:40
Phenolic Compounds			
4-Chloro-3-methylphenol ND 0.002 mg/L 625	RLT	11/21/07	19:17
2-Chlorophenol ND 0.002 mg/L 625	RLT	11/21/07	19:17
2,4-Dichlorophenol ND 0.002 mg/L 625	RLT	11/21/07	19:17
2,4-Dimethylphenol ND 0.002 mg/L 625	RLT	11/21/07	19:17
4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625	RLT	11/21/07	19:17
2,4-Dinitrophenol ND 0.006 mg/L 625	RLT	11/21/07	19:17
2-Nitrophenol ND 0.002 mg/L 625	RLT	11/21/07	19:17
4-Nitrophenol ND 0.006 mg/L 625	RLT	11/21/07	19:17
Pentachlorophenol 0.004 0.001 mg/L 625	RLT	11/21/07	19:17
Phenol ND 0.002 mg/L 625	RLT	11/21/07	19:17
2,4,6-Trichlorophenol ND 0.002 mg/L 625	RLT	11/21/07	



Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/20/07

Date Received:

Sampled by:

11/13/07

Date/Time Sampled:

11/13/07

-

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC23804

Page Number:

1

07:20

NELAP Accredited
LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	13.8	1.0	mg/L	5210B	MWS	11/14/07	15:15
Residue, non-filterable (TSS)	34	1.0	mg/L	2540D	MWS	11/19/07	10:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/19/07	10:10
Phenols				•			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/15/07	16:12
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/15/07	16:12
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/15/07	16:12
Pentachlorophenol	ND	0.001	mg/L	625	RLT	11/15/07	16:12
Phenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12

Palley Broken

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/16/07

Date Received:

11/06/07

Date/Time Sampled:

11/06/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC23496

NELAP Accredited LELAP 04023

Page Number:

1

07:12

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	5210B	MWS	11/07/07	11:30
Residue, non-filterable (TSS)	32	1.0	mg/L	2540D	RAH	11/09/07	08:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/15/07	08:10
Phenolic Compounds				•			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/07/07	20:50
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/07/07	20:50
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/07/07	20:50
Pentachlorophenol	0.010	0.001	mg/L	625	RLT	11/07/07	20:50
Phenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50



Robert Physique Quality Assurance/Quality Control



235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/16/07

Date Received:

10/02/07

Date/Time Sampled:

10/02/07

07:15

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC21894

NELAP Accredited **LELAP 04023**

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	405.1	MWS	10/03/07	16:20
Residue, non-filterable (TSS)	13	1.0	mg/L	160.2	RAH	10/03/07	13:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	10/16/07	08:45
Phenolic Compounds			-				
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2-Chlorophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	10/04/07	10:47
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	10/04/07	10:47
2-Nitrophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
4-Nitrophenol	ND	0.005	mg/L	625	KRE	10/04/07	10:47
Pentachlorophenol	ND g	0.001	mg/L	- 625	KRE	10/04/07	10:47
Phenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47



Quality Assurance/Quality Control

^{*} See supplementary information, attached.





NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/19/07

Date Received:

10/09/07

Date/Time Sampled:

10/09/07

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC22211

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	13.8	1.0	mg/L	405.1	MWS	10/10/07	09:40
Residue, non-filterable (TSS)	37	1.0	mg/L	160.2	RAH	10/15/07	10:00
Oil & Grease	ND	3.3	mg/L	1664A	CRM	10/19/07	10:00
Phenolic Compounds				•			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/11/07	14:25
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/11/07	14:25
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/11/07	14:25
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	10/11/07	14:25
Phenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25



Quality Assurance/Quality Control

^{*} See supplementary information, attached.





NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/24/07

Date Received:

10/17/07

Date/Time Sampled:

10/16/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC22463

07:17

е	N	11111	Der	•	1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	405.1	MWS	10/17/07	10:15
Residue, non-filterable (TSS)	49	1.0	mg/L	160.2	RAH	10/17/07	11:40
Oil & Grease	ND	2.0	mg/L	1664A	SMB	10/23/07	08:30
Phenolic Compounds				•			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/18/07	19:13
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/18/07	19:13
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/18/07	19:13
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	10/18/07	19:13
Phenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13



Quality Assurance/Quality Control

^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/05/07

Date Received:

10/23/07

Date/Time Sampled:

10/23/07

Sampled by:

K. Coker

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC22768

Page Number:

1

07:30

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	10/24/07	13:00
Residue, non-filterable (TSS)	28	1.0	mg/L	160.2	RAH	10/23/07	17:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	11/05/07	08:25
Phenols				-			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/24/07	19:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/24/07	19:04
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/24/07	19:04
Pentachlorophenol	0.175	0.001	mg/L	625	RLT	10/24/07	19:04
Phenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04



Quality Assurance/Quality Control



NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

11/08/07

Date Received:

10/31/07

Date/Time Sampled:

10/30/07

07:20

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC23197

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	10/31/07	14:50
Residue, non-filterable (TSS)	22	1.0	mg/L	160.2	RAH	10/31/07	12:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/08/07	08:30
Phenolic Compounds				•			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/31/07	18:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	10/31/07	18:00
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
4-Nitrophenol	ND	0.006	mg/L	625	RLT	10/31/07	18:00
Pentachlorophenol	ND	0.001	mg/L	625	RLT	10/31/07	18:00
Phenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00



Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/11/07

Date Received:

09/05/07

Date/Time Sampled:

09/05/07

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC20804

NELAP Accredited **LELAP 04023**

Page Number:

1

09:16

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	405.1	MWS	09/06/07	09:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	09/07/07	10:25
Residue, non-filterable (TSS)	12	1.0	mg/L	160.2	SMB	09/07/07	14:18
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2,4-Dimethylphenol	ND ND	0.002	mg/L	625	RLT	09/06/07	19:05
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/06/07	19:05
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/06/07	19:05
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/06/07	19:05
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	09/06/07	19:05
Phenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05



Quality Assurance/Quality Control

^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/17/07

Date Received:

09/11/07

Date/Time Sampled:

09/11/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC20978

Page Number:

1

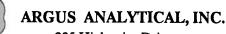
07:10

NELAP Accredited **LELAP 04023**

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	405.1	MWS	09/12/07	09:35
Oil & Grease	ND	2.0	mg/L	1664 A	CRM	09/14/07	10:15
Residue, non-filterable (TSS)	13	1.0	mg/L	160.2	SMB	09/13/07	09:15
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/12/07	21:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/12/07	21:19
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/12/07	21:19
Pentachlorophenol	0.039	0.001	mg/L	625	RLT	09/12/07	21:19
Phenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19



Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/25/07

Date Received:

09/18/07

Date/Time Sampled:

09/18/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

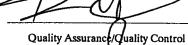
Sample Number: CC21244

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	16.5	1.0	mg/L	405.1	MWS	09/19/07	13:15
Oil & Grease	16	2.0	mg/L	1664A	CRM	09/25/07	08:22
Residue, non-filterable (TSS)	20	1.0	mg/L	160.2	SMB	09/21/07	13:54
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2-Chlorophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	09/20/07	10:44
2,4-Dinitrophenol	ND	0.006	mg/L	625	KRE	09/20/07	10:44
2-Nitrophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
4-Nitrophenol	ND	0.006	mg/L	625	KRE	09/20/07	10:44
Pentachlorophenol	0.049	0.001	mg/L	625	KRE	09/20/07	10:44
Phenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44



B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1



235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

10/02/07

Date Received:

09/25/07

Date/Time Sampled:

09/25/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC21567

Page Number:

1

07:20

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	09/26/07	10:05
Oil & Grease	ND	2.0	mg/L	1664A	CRM	10/02/07	08:45
Residue, non-filterable (TSS)	35	1.0	mg/L	160.2	SMB	09/27/07	09:37
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2-Chlorophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	09/27/07	00:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	09/27/07	00:55
2-Nitrophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
4-Nitrophenol	ND	0.005	mg/L	625	KRE	09/27/07	
Pentachlorophenol	0.121	0.001	mg/L	625	KRE	09/27/07	00:55
Phenol	ND	0.002	mg/L	625	KRE		00:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	09/27/07 09/27/07	00:55 00:55



^{*} See supplementary information, attached.





NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

08/16/07

Date Received:

08/10/07

Date/Time Sampled:

08/09/07

07:20

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC19865

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.6	1.0	mg/L	405.1	MWS	08/10/07	13:45
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/15/07	08:15
Residue, non-filterable (TSS)	72	1.0	mg/L	160.2	SMB	08/10/07	14:07
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/13/07	11:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/13/07	11:27
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/13/07	11:27
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	08/13/07	11:27
Phenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27



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^{*} See supplementary information, attached.



NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

08/21/07

Date Received:

08/14/07

Date/Time Sampled:

08/14/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC20018

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	405.1	MWS	08/15/07	13:20
Oil & Grease	ND	2.1	mg/L	1664A	CRM	08/17/07	09:00
Residue, non-filterable (TSS)	178	1.0	mg/L	160.2	SMB	08/16/07	08:20
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/15/07	20:20
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/15/07	20:20
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/15/07	20:20
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	08/15/07	20:20
Phenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20



Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

08/30/07

Date Received:

08/24/07

Date/Time Sampled:

08/24/07

Sampled by:

R. Branch

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC20500

07:20

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	405.1	MWS	08/24/07	14:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/30/07	08:45
Residue, non-filterable (TSS)	34	1.0	mg/L	160.2	SMB	08/27/07	14:17
Phenois							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/27/07	16:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/27/07	16:53
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/27/07	16:53
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	08/27/07	16:53
Phenol	ND	0.002	mg/L.	625	RLT	08/27/07	16:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53



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See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

09/04/07

Date Received:

08/28/07

Date/Time Sampled:

08/28/07

Sampled by:

R. Branch

Project Number:

Project ID/Location: Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC20554

NELAP Accredited

LELAP 04023

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	08/30/07	07:05
Oil & Grease	ND	6.7	mg/L	1664A	CRM	08/31/07	08:45
Residue, non-filterable (TSS)	17	1.0	mg/L	160.2	SMB	08/30/07	09:10
Phenois							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2.4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
4.6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/29/07	15:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/29/07	15:19
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/29/07	15:19
Pentachlorophenol	0.010	0,001	mg/L	625	RLT	08/29/07	15:19
Phenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19



Quality Assurance/Quality Control

^{*} See supplementary information, attached.





Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location: Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Date Reported:

07/11/07

Date Received:

Sampled by:

07/03/07

Date/Time Sampled:

07/03/07

RB

Project Number:

Sample Number: CC18569

NELAP Accredited LELAP 04023 -

Page Number:

1

09:25

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	405.1	MWS	07/05/07	09:10
Oil & Grease	ND	6.7	mg/L	1664A	CRM	07/09/07	08:30
Residue, non-filterable (TSS)	21	1.0	mg/L	160.2	MWS	07/05/07	16:15
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/05/07	15:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/05/07	15:44
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/05/07	15:44
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/05/07	15:44
Phenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44



Quality Assurance/Quality Control



.

NELAP Accredited
LELAP 04023

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/16/07

Date Received:

07/10/07

Date/Time Sampled:

07/10/07

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC18732

.

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.0	1.0	mg/L	405.1	MWS	07/11/07	10:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	07/13/07	08:15
Residue, non-filterable (TSS)	40	1.0	mg/L	160.2	SMB	07/11/07	10:30
Phenols				11			44.40
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/11/07	11:49
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/11/07	11:49
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/11/07	11:49
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/11/07	11:49
Phenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49



Quality Assurance/Quality Control

^{*} See supplementary information, attached.



Telephone: 601/957-2676 FAX: 601/957-1887

Ridgeland, Mississippi 39157

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/25/07

Date Received:

07/17/07

Date/Time Sampled:

07/17/07

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC19079

NELAP Accredited LELAP 04023

Page Number:

1

07:18

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	2.4	1.0	mg/L	405.1	MWS	07/18/07	10:40
Residue, non-filterable (TSS)	14	1.0	mg/L	160.2	SMB	07/19/07	08:52
Oil & Grease	ND	2.0	mg/L	1664A	CRM	07/23/07	14:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/18/07	17:11
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/18/07	17:11
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/18/07	17:11
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/18/07	17:11
Phenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11



Quality Assurance/Quality Control





NELAP Accredited LELAP 04023

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

PO Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/31/07

Date Received:

07/24/07

Date/Time Sampled:

07/24/07

Sampled by:

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC19327

Page Number:

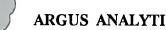
1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	405.1	MWS	07/25/07	07:40
Residue, non-filterable (TSS)	29	1.0	mg/L	160.2	SMB	07/27/07	10:30
Oil & Grease	ND	2.3	mg/L	1664A	CRM	07/27/07	09:00
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/25/07	18:34
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	07/25/07	18:34
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
4-Nitrophenol	ND	0.006	mg/L	625	RLT	07/25/07	18:34
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/25/07	18:34
Phenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34



Quality Assurance/Quality Control



NELAP Accredited LELAP 04023 -

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

Sampled by:

08/06/07

Date Received:

07/31/07

Date/Time Sampled:

07/31/07

RB

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC19536

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	405.1	MWS	08/01/07	08:25
Oil & Grease	ND	2.3	mg/L	1664A	CRM	08/02/07	10:25
Residue, non-filterable (TSS)	13	1.0	mg/L	160.2	SMB	08/02/07	11:25
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/01/07	17:20
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/01/07	17:20
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/01/07	17:20
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/01/07	17:20
Phenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control 1542 Old Whitfield Road Pearl, MS 39208 601-664-3900

COMPLIANCE MONITORING REPORT

To: **AZZAM ABU MIRSHID**

RANDY JONES

Sample 1D:

AA33252

Facility Name:

KOPPERS INDUSTRIES INC

Sampling Loc:

TOTAL FACILITY DISCHARGE

Site ID:

COMPLIANCE

Discharge No:

MSP090300-001

Other No:

Permit No:

MSP090300

Latitude:

Longitude:

County:

043 GRENADA

QA Type:

Date Collected:

Time Collected:

Sample Collector:

To Lab:

Sample Type:

Date Received:

Time Received:

Received By:

Project: Study:

5700

1005

COMPLIANCE

TAMMY SAWYER

05/17/2007

14:00

RJONES

DOUGLAS

05/18/2007

WASTEWATER

ANALYTE	METHOD	RESULT	UNIT	MQL	ANALYST
/ Flow mgd		0.011	MGD	0	RJONES
pH, Field Measurement	150.1	7.53	pH units		RJONES
Temperature, Water	170.1	15.9	deg C	0	RJONES
Arsenic, Total	200.7	<mql< td=""><td>ug/L</td><td>50.0</td><td>BBRUCE</td></mql<>	ug/L	50.0	BBRUCE
~ Chromium, Total	200.7	<mql< td=""><td>ug/L</td><td>10.0</td><td>BBRUCE</td></mql<>	ug/L	10.0	BBRUCE
Copper, Total	200.7	<mql< td=""><td>ug/L</td><td>10.0</td><td>BBRUCE</td></mql<>	ug/L	10.0	BBRUCE
Nickel, Total	200.7	29.9	ug/L	10.0	BBRUCE
Zinc, Total	200.7	<mql< td=""><td>ug/L</td><td>100</td><td>BBRUCE</td></mql<>	ug/L	100	BBRUCE
Pentachlorophenol Compliance	625	Trace (6.70)	μg/L	50	JSHELL
Biochemical Oxygen Demand, 5 Day	405.1	12	mg/L	2	KFARRIS
/Oil & Grease, Total Hexane	1664A	<mql< td=""><td>mg/L</td><td>5</td><td>OCLARK</td></mql<>	mg/L	5	OCLARK
Phenols, Total Recoverable	10-210-00-1-B	<mql< td=""><td>mg/L</td><td>0.05</td><td>KFARRIS</td></mql<>	mg/L	0.05	KFARRIS
Solids, Total Suspended	160.2	106	mg/L	4	VSTAMPS

BBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter mg/L: milligrams/Liter

mg/kg:

milligrams/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion <: less than

MQL: Maximum Quantifiable Level

MDL: Method Detection Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated

>: greater than

COC Date: Date Chain of Custody Signed COC Time: Time Chain of Custody Signed

SAMPI		$\alpha \alpha$	4 B 4 I	7 7 17 17	ro.
SAMPI	м		/ E I V I I	4 100 1	

ENVIRONMENT CONDITION: SUNNY AND WARM

WHERE TAKEN: EFFLUENT PIPE

Validation Date:

07/11/2007

Validated By:

Print Date:

07/12/2007

BUI

BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No.

				1/	T 1-140	T. (AT. 07)	
I.	GENERAL INFORMATIO	N: Facili	ty Name	Koppers		TVG (4+.0)	2)
	County Code 201	043 6	RKLADA	11	NPDES Permit No		
	Discharge No	201			Date Reque	ested May a	007
	Sample Point Ident	tification	TOTAL	FAULTY	Data To A	ZZAM ARILLA	MIDSHIN
	Requested By A2	SAW ARD	-MIRSHI	(E1)	(TimeX) Other		
	Type of Sample: (Composite	(Flow)			
II.	SAMPLE IDENTIFICAT	rion:	UMM,	Warm	Co116	ected By Kan	h (s. John
	Environment Condi	A //		0000177		10000 2)	
	Where Taken	410cm.	ameters		Preservative	Date	Time
	Туре	Ann T	ameters	CH	11	05-17-20	- Indiana
	1. COM	* * * * * * * * * * * * * * * * * * *	ICAL ZA	TH	103	05-17-200	
	2. COMP 3. CRAP	PRITTAC	THE MALK	USI C.F	itt	05-17-2007	1400
	4. 6PAL	TOTAL	PHENOLS		SOu	05-17-207	1400
	5. 7-72AB	MAK	REASE	- H		05-17-2007	1400
ГТТ	FIELD:	CALL					
rrr.	Analysis	Comput	er Code	Request	Results	Analyst	Date
	pH 5,5-9,5		0400)	\	7.53 S.U.	R65	05-17-20
	D.O.	(00	0300)	()			
	Temperature	(00	0010)	∞	15.900	RGJ	05-17-20
	Residual Chlorine	(05	0060)	()			
	Flow	(07	4060)	∞ .	0.011 mgd	RGJ	05-17-x
IV.	TRANSPORTATION OF	SAMPLE: E	us ()	RO Vehicle			
	LABORATORY: Recei		am	auge	Date <u>5-</u>		ime /005
	Recorded By	$\overline{}$	X	0	Date Sent to St	tate Office	D-4-
		Computer	-		- • .	4 1 4	Date
	Analysis	Code	Request		Result	<u>Analyst</u>	Measured
	BOD ₅	(000310)	()	. , ,	mg/1		^
	COD	(000340)	()		mg/1		
	TOC	(000680)	()		mg/1		
	Suspended Solids	(099000)	()		mg/1		
	TKN	(000625)			mg/1		
	Ammonia-N	(000610)			mg/l olonies/100 ml		*
	Fecal Coliform(1)		()		olonies/100 ml		*
	Fecal Coliform(2)	(0/4055)			mg/1		
	Total Phosphorus	(000665)	()		mg/1		
	Oil and Grease(1)	(000550)			mg/1		
	Oil and Grease(2)	(000330)			mg/1		
	Chlorides	(032730)			mg/1		
	Phenol Total Chromium	(001034)			mg/1		
	Hex. Chromium	(001034)	\sim		mg/1		
	Zinc	(001092)	\sim		mg/1		
	Copper	(001042)	\sim		mg/1		
	Lead	(017501)	$\dot{}$		mg/1		
	Cyanide	(000722)	$\dot{}$		mg/1		
	Cyanitae	(000)	$\dot{}$				
			$\dot{}$				
			()				
			()				
			()				
			()				
			()				
			()				
			()				
			()				
	Remarks						



STATE OF MISSISSIPPI

HALEY BARBOUR GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

July 13, 2007

Mr. Kevin Coker Koppers P.O. Box 160 Tie Plant, Mississippi 38960

Dear Mr. Coker:

Enclosed please find a copy of the analytical report for wastewater samples collected by our office on May 17, 2007.

If you have any questions, please call me at (601) 961-5050.

Sincerely,

Azzam Abumirshid, P.E., BCEE

Environmental Compliance & Enforcement Division

Timber and Wood Products Branch





Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/13/07

Date Received:

06/05/07

Date/Time Sampled:

06/05/07

07:20

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC17365

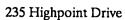
Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	ND	1.0	mg/L	405.1	MWS	06/06/07	16:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	06/12/07	08:18
Residue, non-filterable (TSS)	52	1.0	mg/L	160.2	SMB	06/06/07	12:37
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625, 29 30 31	RLT	06/06/07	18:24
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2,4-Dimethylphenol	, ND	0.002	mg/L	625	RLT	06/06/07	18:24
4,6-Dinitro-2-methylphenol	ND	0.001		625	RLT	06/06/07	18:24
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	06/06/07	18:24
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
4-Nitrophenol	ND	0.006	mg/L	625	RIT	06/06/07	18:24
Pentachlorophenol	ND	0.001	mg/L	623 81 (19)	NV KLT	06/06/07	18:24
Phenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24

Quality Assurance/Quality Control





Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LELAP 04023

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/19/07

Date Received:

06/12/07

Date/Time Sampled:

06/12/07

07:15

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC17685

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.0	1.0	mg/L	405.1	MWS	06/13/07	10:20
Oil & Grease	ND	2.0	mg/L	1664A	SMB	06/18/07	07:45
Residue, non-filterable (TSS)	41	1.0	mg/L	160.2	SMB	06/14/07	08:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/13/07	14:07
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/13/07	14:07
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/13/07	14:07
Pentachlorophenol	ND	0.001	mg/L	625	RLT	06/13/07	14:07
Phenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07

Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/25/07

Date Received:

06/19/07

Date/Time Sampled:

06/19/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Sample Matrix:

Outfall 001

WATER

Sample Number: CC17946

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	405.1	MWS	06/20/07	14:00
Oil & Grease	ND	2.1	mg/L	1664A	CRM	06/22/07	10:05
Residue, non-filterable (TSS)	30	1.0	mg/L	160.2	SMB	06/20/07	11:00
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/20/07	13:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/20/07	13:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/20/07	13:58
Pentachlorophenol	ND	0.001	mg/L	625	RLT	06/20/07	13:58
Phenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58

Quality Assurance/Quality Control

Robert Phympu



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

07/02/07

Date Received:

06/26/07

Date/Time Sampled:

06/26/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Sample Matrix:

Outfall 001 WATER

Sample Number: CC18217

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	405.1	MWS	06/27/07	06:40
Residue, non-filterable (TSS)	103	1.0	mg/L	160.2	RAH	06/26/07	12:00
Oil & Grease	ND	2.8	mg/L	1664A	CRM	06/29/07	08:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/27/07	15:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/27/07	15:04
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/27/07	15:04
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	06/27/07	15:04
Phenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04

Quality Assurance/Quality Control

^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157 Telephone: 601/957-2676 FAX: 601/957-1887

Date Reported:

Date Received:

Sampled by:

Date/Time Sampled:

Project Number:

To: Koppers Company P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location: Facility Discharge

Weekly Requirements

Sample Description: Outfall 001

Sample Matrix: WATER

v Requirements

Sample Number: CC16152

NELAP Accredited

LELAP 04023

Page Number: 1

05/14/07

05/08/07

05/08/07

R. Branch

Parameter Result **Det Limit** Units Method Analysts Date Time Biochemical Oxygen Demand 5.4 1.0 mg/L 405.1 **MWS** 05/09/07 08:15 Oil & Grease ND 6.7 1664A **CRM** mg/L 05/10/07 13:05 **Total Suspended Solids** 79 1.0 160.2 mg/L **SMB** 05/10/07 09:10 **Phenols** 0.002 625 4-Chloro-3-methylphenol ND **RLT** mg/L 05/09/07 18:15 2-Chlorophenol ND 0.002 mg/L 625 **RLT** 05/09/07 18:15 2,4-Dichlorophenol 0.002 625 **RLT** ND mg/L 18:15 05/09/07 2,4-Dimethylphenol ND 0.002 mg/L 625 **RLT** 05/09/07 18:15 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 RLT 05/09/07 18:15 2,4-Dinitrophenol ND 0.005 mg/L 625 **RLT** 05/09/07 18:15 2-Nitrophenol 0.002 mg/L 625 **RLT** ND 05/09/07 18:15 4-Nitrophenol 0.005 625 **RLT** ND mg/L 05/09/07 18:15 Pentachlorophenol 0.001 625 **RLT** ND mg/L 05/09/07 18:15 Phenol ND 0.002 mg/L 625 **RLT** 05/09/07 18:15 2,4,6-Trichlorophenol ND 0.002 mg/L 625 **RLT** 05/09/07 18:15

Quality Assurance/Quality Control



NELAP Accredited 💥 **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/21/07

Date Received:

05/15/07

Date/Time Sampled:

05/15/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC16500

Page Number:

1

08:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	405.1	MWS	05/16/07	10:10
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/16/07	08:25
Total Suspended Solids	55	1.0	mg/L	160.2	SMB	05/17/07	11:34
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/16/07	18:29
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/16/07	18:29
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/16/07	18:29
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/16/07	18:29
Phenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29

Quality Assurance/Quality Control





NELAP Accredited LELAP 04023

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

05/29/07

Date Received:

05/22/07

Date/Time Sampled:

05/22/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

ND

ND

Sample Description:

Outfall 001

Sample Matrix:

Phenol

2,4,6-Trichlorophenol

WATER

Sample Number: CC16837

Page Number:

1

KRE

KRE

625

625

mg/L

mg/L

07:20

· •				_			
Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	05/24/07	07:15
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/25/07	08:20
Total Suspended Solids	96	1.0	mg/L	160.2	SMB	05/22/07	14:17
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2-Chlorophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	05/23/07	19:15
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	05/23/07	19:15
2-Nitrophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
4-Nitrophenol	ND	0.005	mg/L	625	KRE	05/23/07	19:15
Pentachlorophenol	ND	0.001	mg/L	625	KRE	05/23/07	19:15

0.002

0.002

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

19:15

19:15

05/23/07

05/23/07



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

06/04/07

Date Received:

05/29/07

Date/Time Sampled:

05/29/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC17116

NELAP Accredited LELAP 04023

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	05/30/07	08:30
Oil & Grease	ND	2.0	mg/L	1664A	SMB	05/31/07	14:15
Total Suspended Solids	58	1.0	mg/L	160.2	SMB	05/31/07	08:04
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2-Chlorophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	05/31/07	10:39
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	05/31/07	10:39
2-Nitrophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
4-Nitrophenol	ND	0.005	mg/L	625	KRE	05/31/07	10:39
Pentachlorophenol	ND	0.001	mg/L	625	KRE	05/31/07	10:39
Phenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39

Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location: Facility Discharge

Weekly Requirements

Sample Description: O

Sample Matrix:

Outfall 001 WATER Date Reported:

04/10/07

NELAP Accredited LELAP 04023

07:40

Date Received:

Sampled by:

04/03/07

Date/Time Sampled:

04/03/07

R. Branch

Project Number:

Sample Number:

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	405.1	MWS	04/04/07	09:35
Oil & Grease	ND	2.1	mg/L	1664A	CRM	04/10/07	09:00
Total Suspended Solids	36	1.0	mg/L	160.2	SMB	04/05/07	08:28
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/04/07	19:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/04/07	19:26
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/04/07	19:26
Pentachlorophenol	0.001	0.001	mg/L	625	RLT	04/04/07	19:26
Phenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited LEIAP 04023

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

04/16/07

Date Received:

04/10/07

Date/Time Sampled:

04/10/07

07:25

Sampled by:

R. Branch

ATIN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Project Number:

Sample Number: CC15068

Page Number:

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	405.1	MWS	04/11/07	11:25
Oil & Grease	ND	2.2	mg/L	1664A	SMB	04/12/07	09:45
Total Suspended Solids	38	1.0	mg/L	160.2	JWH	04/12/07	11:48
Phenois							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L,	625	RLT	04/11/07	
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10	19:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/11/07	19:58
Pentachlorophenol	0.013	0.001	mg/L	625	RLT	04/11/07	19:58
Phenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/11/07 04/11/07	19:58 19:58

Quality Assurance/Quality Control

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/23/07

Date Received:

04/17/07

Date/Time Sampled:

04/17/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC15316

07:15

NELAP Accredited
LELAP 04023

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	04/18/07	17:20
Oil & Grease	ND	2.0	mg/L	1664A	SMB	04/19/07	08:20
Total Suspended Solids	84	1.0	mg/L	160.2	SMB	04/18/07	14:39
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/17/07	18:01
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/17/07	18:01
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/17/07	18:01
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	04/17/07	18:01
Phenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01



Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/30/07

Date Received:

04/24/07

Date/Time Sampled:

04/24/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC15590

NELAP Accredited **LELAP 04023**

Page Number:

1

07:25

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	405.1	MWS	04/25/07	10:20
Oil & Grease	2.58	2.1	mg/L	1664A	SMB	04/27/07	08:30
Total Suspended Solids	93	1.0	mg/L	160.2	SMB	04/26/07	08:36
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/25/07	13:43
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/25/07	13:43
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/25/07	13:43
Pentachlorophenol	ND	0.001	mg/L	625	RLT	04/25/07	13:43
Phenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited **LELAP 04023**

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

Date Reported:

05/07/07

Date Received:

05/01/07

Date/Time Sampled:

05/01/07

Sampled by:

KC

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix: WATER **Project Number:**

Sample Number: CC15891

Page Number:

1

07:04

Parameter	Result	Det Limit	Units	Method	Analysis	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	405.1	MWS	05/02/07	09:05
Oil & Grease	ND	2.0	mg/L	1664A	CRM	05/04/07	08:30
Total Suspended Solids	99	1.0	mg/L	160.2	SMB	05/01/07	14:40
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/02/07	11:19
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	05/02/07	11:19
2-Nitrophenol	ND	0.002	mg/L.	625	RLT	05/02/07	11:19
4-Nitrophenol	ND	0.006	mg/L	625 .	RLT	05/02/07	11:19
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/02/07	11:19
Phenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19

Quality Assurance/Quality Control

^{*} See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

41345678970

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Date Reported:

03/13/07

Date Received

03/06/07

Date/Time Sam Sampled by:

03/06/07

R. Branch

Project Number:

Sample Number: CC13659

NELAP Accredited

LELAP 04023

Page Number:

1

07:10

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	19.5	1.0	mg/L	405.1	MWS	02/07/07	00.10
Oil & Grease	2.9	2.0	mg/L	1664A	CRM	03/07/07	09:10
Total Suspended Solids	85	1.0	mg/L	160.2	SMB	03/12/07 03/07/07	08:45 10:35
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/06/07	10.00
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2,4-Dimethylphenol	0.004	0.002	mg/L	625	RLT	03/06/07	18:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	_	03/06/07	18:00
2,4-Dinitrophenol	ND	0.005	_		RLT	03/06/07	18:00
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
4-Nitrophenol	ND		mg/L	625	RLT	03/06/07	18:00
Pentachlorophenol	0.006	0.005	mg/L	625	RLT	03/06/07	18:00
Phenol		0.001	mg/L	625	RLT	03/06/07	18:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2,4,0-111cmorophenor	ND	0.002	mg/L	625	RLT	03/06/07	18:00

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.



NELAP Accredited **LELAP 04023**

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235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To: P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location: Facility Discharge

Weekly Requirements

Outfall 001 **Sample Description:**

Sample Matrix: WATER **Date Reported:** Date Received:

Date/Time Sampled:

Sampled by:

Project Number:

2011121314151611180 03/20/07 03/13/07 03/13/07

R. Branch

Sample Number: CC14045

E05828283035

1 Page Number:

Parameter Result **Det Limit** Units Method Analysts Date Time Biochemical Oxygen Demand 11.7 1.0 mg/L 405.1 MWS 03/14/07 13:05 Oil & Grease 2.0 2.1 mg/L 1664A CRM 03/19/07 10:00 **Total Suspended Solids** 26 1.0 mg/L 160.2 SMB 03/15/07 10:35 **Phenols** 4-Chloro-3-methylphenol ND 0.002 625 RLT mg/L 03/14/07 14:42 2-Chlorophenol ND 0.002 mg/L 625 **RLT** 03/14/07 14:42 2,4-Dichlorophenol ND 0.002 625 **RLT** mg/L 03/14/07 14:42 2,4-Dimethylphenol ND 0.002 mg/L 625 **RLT** 03/14/07 14:42 4,6-Dinitro-2-methylphenol ND 0.001 mg/L 625 **RLT** 14:42 03/14/07 2,4-Dinitrophenol ND 0.005 mg/L 625 **RLT** 14:42 03/14/07 2-Nitrophenol ND 625 **RLT** 0.002 mg/L 14:42 03/14/07 4-Nitrophenol ND 0.005 mg/L 625 **RLT** 03/14/07 14:42 Pentachlorophenol 0.004 625 0.001 mg/L **RLT** 03/14/07 14:42 Phenol ND 0.002 625 RLT mg/L 03/14/07 14:42 2,4,6-Trichlorophenol ND 0.002 mg/L 625 **RLT** 03/14/07 14:42 **PAHs** ND Acenaphthene 0.002 8270C **RLT** mg/L 03/14/07 14:42 Acenaphthylene ND 0.002 mg/L 8270C **RLT** 03/14/07 14:42 Anthracene ND 0.002 mg/L 8270C **RLT** 14:42 03/14/07 Benzo(a)anthracene ND 0.002 mg/L 8270C **RLT** 03/14/07 14:42 Benzo(a)pyrene ND 0.002 8270C **RLT** mg/L 14:42 03/14/07 Benzo(b)fluoranthene ND 0.005 mg/L 8270C **RLT** 03/14/07 14:42 Benzo(g,h,i)perylene ND 0.005 mg/L 8270C RLT 14:42 03/14/07 Benzo(k)fluoranthene ND 0.005 mg/L 8270C RLT 03/14/07 14:42 Chrysene ND 0.002 mg/L 8270C **RLT** 03/14/07 14:42 Dibenzo(a,h)anthracene ND 0.005 mg/L 8270C **RLT** 03/14/07 14:42 Fluoranthene ND 0.002 mg/L 8270C **RLT** 14:42 03/14/07 Fluorene ND 0.002 mg/L 8270C **RLT** 14:42 03/14/07 Indeno(1,2,3-cd)pyrene ND 0.005 mg/L 8270C RLT 14:42 03/14/07 2-Methylnaphthalene ND 0.002 mg/L 8270C **RLT** 14:42 03/14/07 Naphthalene ND 0.002 mg/L 8270C RLT 03/14/07 14:42 Phenanthrene ND 0.002 mg/L 8270C **RLT** 14:42 03/14/07 Pyrene ND 0.002 **RLT** mg/L 8270C 03/14/07 14:42



NELAP Accredited LELAP 04023

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

03/27/07

Date Received:

03/20/07

Date/Time Sampled:

03/20/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC14228

Page Number:

r: 1

07:20

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.8	1.0	mg/L	405.1	MWS	03/21/07	13:30
Oil & Grease	3.4	2.8	mg/L	1664A	CRM	03/26/07	10:25
Total Suspended Solids	60	1.0	mg/L	160.2	SMB	03/21/07	11:36
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/21/07	17:00
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/21/07	17:00
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/21/07	17:00
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	03/21/07	17:00
Phenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00

Quality Assurance/Quality Control



NELAP Accredited **LELAP 04023**

235 Highpoint Drive Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

04/02/07

Date Received:

03/27/07

Date/Time Sampled:

03/27/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC14500

Page Number:

1

07:25

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	405.1	MWS	03/28/07	08:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	03/28/07	09:10
Total Suspended Solids	59	1.0	mg/L	160.2	SMB	03/28/07	15:40
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/28/07	16:05
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/28/07	16:05
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/28/07	16:05
Pentachlorophenol	ND	0.001	mg/L	625	RLT	03/28/07	16:05
Phenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Date Reported:

02/12/07

Date Received: Date/Time Sampled: 02/06/07

02/05/07

Sampled by:

R. Branch

Project Number:

Sample Number: CC12656

NELAP Accredited **LELAP 04023**

Page Number:

1

07:15

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	405.1	MWS	02/07/07	13:20
Oil & Grease	ND	2.1	mg/L	1664A	CRM	02/09/07	10:30
Total Suspended Solids	67	1.0	mg/L	160.2	MWS	02/08/07	14:40
Phenols				i⊋i			
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2-Chlorophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	02/08/07	13:54
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	02/08/07	13:54
2-Nitrophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
4-Nitrophenol	ND	0.005	mg/L	625	JWH	02/08/07	13:54
Pentachlorophenol	ND	0.001	mg/L	625	JWH	02/08/07	13:54
Phenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54

Quality Assurance/Quality Control

^{*} See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix;

WATER

Date Reported:

02/26/07

Date Received:

Sampled by:

02/13/07

Date/Time Sampled:

02/13/07

R. Branch

Project Number:

Sample Number: CC12926

NELAP Accredited **LELAP 04023**

Page Number:

1 .

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	<u>4.8</u>	1.0	mg/L	405.1	MWS	02/14/07	08:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/16/07	10:30
Total Suspended Solids	33	1.0	mg/L	160.2	SMB	02/15/07	11:37
Phenols			XS				
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2-Chlorophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
4.6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	02/14/07	23:22
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	02/14/07	23:22
2-Nitrophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
4-Nitrophenol	ND	0.005	mg/L	625	JWH	02/14/07	23:22
Pentachlorophenol	ND	0.001	mg/L	625	JWH	02/14/07	23:22
Phenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Project ID/Location:

Sample Description: Sample Matrix:

Tie Plant, MS 38960

ATTN: Ron Rutledge

Facility Discharge Weekly Requirements

Outfall 001

WATER

Date Reported:

Date Received:

Date/Time Sampled:

Sampled by:

NELAP Accredited **LELAP 04023**

02/26/07 02/20/07 02/20/07

R. Branch

Project Number:

Sample Number: CC13164

Page Number:

1 🐷

				8			
Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	15.0	1.0	mg/L	405.1	MWS	02/21/07	09:10
Oil & Grease	ND	2.1	mg/L	1664A	CRM	02/22/07	12:30
Total Suspended Solids	53	1.0	mg/L	160.2	SMB	02/22/07	09:00
Phenols	169						
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2-Chlorophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	02/21/07	16:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	02/21/07	16:40
2-Nitrophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
4-Nitrophenol	ND	0.005	mg/L	625	RLT	02/21/07	16:40
Pentachlorophenol	0.005	0.001	mg/L	625	RLT	02/21/07	16:40
Phenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

Date Received:

Date/Time Sampled:

Sampled by:

03/06/07

02/27/07

02/27/07 R. Branch

NELAP Accredited

LELAP 04923

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description: Sample Matrix:

Outfall 001

WATER

Sample Number: CC13421

Page Number:

1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
	49.5	1.0	mg/L	405.1	MWS	03/01/07	07:30
Biochemical Oxygen Demand	ND	2.1	mg/L	1664A	CRM	03/05/07	08:40
Oil & Grease Total Suspended Solids	65	1.0	mg/L	160.2	SMB	02/27/07	14:45
Phenols			-	625	RLT	03/01/07	10:40
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	_	03/01/07	10:40
2-Chlorophenol	ND	0.002	mg/L	625	RLT		-
2.4-Dichlorophenol	ND	0,002	mg/L	625	RLT	03/01/07	10:40
2.4-Dimethylphenol	0.009	0.002	mg/L	625	RLT	03/01/07	10:40
4.6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/01/07	10:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/01/07	10:40
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/01/07	10:40
•	0.006	0.001	mg/L	625	RLT	03/01/07	10:40
Pentachlorophenol	ND	0.002	mg/L	625	RLT	03/01/07	
Phenol				625	RLT	03/01/07	
2,4,6-Trichlorophenol	ND	0.002	mg/L	023	KLI	49/01/07	10:40

Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported:

01/19/07

Date Received:

Sampled by:

01/05/07

Date/Time Sampled:

01/05/07

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC11333

Page Number:

1

07:20

NELAP Accredited

LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.7	1.0	mg/L	405.1	MWS	01/05/07	14:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/03/07	08:40
Total Suspended Solids	93	1.0	mg/L	160.2	SMB	01/05/07	15:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/08/07	12:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/08/07	12:44
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/08/07	12:44
Pentachlorophenol	ND	0.001	mg/L	625	RLT	01/08/07	12:44
Phenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported:

01/19/07

Date Received:

01/09/07

Date/Time Sampled:

01/09/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Sample Matrix:

Outfall 001

WATER

Sample Number: CC11474

NELAP Accredited

LELAP 04023

Page Number:

1

07:30

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	01/10/07	10:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/18/07	15:10
Total Suspended Solids	55	1.0	mg/L	160.2	SMB	01/12/07	09:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/10/07	18:03
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/10/07	18:03
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/10/07	18:03
Pentachlorophenol	0.009	0.001	mg/L	625	RLT	01/10/07	18:03
Phenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03

Quality Assurance/Quality Control



Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

Koppers Company To:

P.O. Box 160

Tie Plant, MS 38960

ATTN: R. Rutledge

Date Reported:

01/30/07

Date Received:

01/19/07

Date/Time Sampled:

01/19/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC11979

NELAP Accredited LELAP 04023

Page Number:

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07:30

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.8	1.0	mg/L	405.1	MWS	01/19/07	13:05
Oil & Grease	ND	2.0	mg/L	1664A	SMB	01/29/07	09:45
Total Suspended Solids	74	1.0	mg/L	160.2	SMB	01/19/07	15:35
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/22/07	19:49
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/22/07	19:49
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/22/07	19:49
Pentachlorophenol	ND	0.001	mg/L	625	RLT	01/22/07	19:49
Phenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

To: Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

01/31/07

Date Received:

01/23/07

Date/Time Sampled:

01/23/07

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC12084

Page Number:

1

07:30

NELAP Accredited LELAP 04023

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	01/24/07	10:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/30/07	13:50
Total Suspended Solids	46	1.0	mg/L	160.2	SMB	01/24/07	11:10
Phenols			23				
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/25/07	14:25
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/25/07	14:25
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/25/07	14:25
Pentachlorophenol	ND	0.001	mg/L	625	RLT	01/25/07	14:25
Phenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25

Quality Assurance/Quality Control

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited
LELAP 04023

To:

Koppers Company

P.O. Box 160

Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported:

02/06/07

Date Received:

01/30/07

Date/Time Sampled:

01/30/07

m = .

Sampled by:

R. Branch

Project Number:

Project ID/Location:

Facility Discharge

Weekly Requirements

Sample Description:

Outfall 001

Sample Matrix:

WATER

Sample Number: CC12403

Page Number:

1

07:20

Parameter	Result	Det Limit	Units	Method	Analysis	Date	Time
Biochemical Oxygen Demand	9.6	1.0	mg/L	405.1	MWS	01/31/07	14:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/01/07	10:30
Total Suspended Solids	87	1.0	mg/L	160.2	SMB	02/02/07	09:15
Phenois							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2-Chlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
2-Nitrophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4-Nitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
Pentachlorophenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
Phenol	ND	0.002	mg/L	62 5	RLT	02/01/07	14:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10

Quality Assurance/Quality Control



Mississippi Department of Environmental Quality Office of Pollution Control Water Compliance Inspection Report

Site Name: Koppers Inc

Permit Number(s): Water - Pretreatment Permit No. MSP090300

Physical Address

1 Koppers Drive Tie Plant, MS 38960

Grenada County

Mailing Address

PO Box 160

Tie Plant, Mississippi 38960

Evaluation Type: Compliance Evaluation Inspection - Pretreatment

Date of Evaluation: 12/16/2009

Facility Type: Industrial

Inspection Participants: Trayce Moore-Thomas, MDEQ

Marcus Smith, Koppers, Inc.

Purpose of Inspection

The purpose of this inspection was to determine Koppers' compliance with the Water -

Permit Status

Koppers currently holds a Water- Pretreatment permit that was issued March 26, 2007 and will expire February 28, 2012.

Facility Description

Koppers manufactures treated poles and bridge timbers for hardwoods (oak, gum, hickory, pecan, and ash). The average production rate is 12,000 cubic feet per day with 60% of that being poles and 40% bridge timbers. The facility currently employees 56 people total. Mr. Marcus Smith is the Plant Manager and Kevin Coker is the Assistant Plant Manager. Blair Simpson, the Safety, Health, and Environmental Coordinator, will

Inspection Summary

I met with Marcus Smith, who accompanied me throughout the inspection. Koppers has one, permitted pretreatment outfall. Outfall 001 handles treated wastewater that comes from the several processes that include boiler and cooling tower blowdown, equipment washdown, backflushing of the GE Osmonics brand water softener, storm water, and purge water from on-site groundwater monitoring.

The wastewater treatment process starts with the measuring of chemicals to be used in the process. The chemicals are injected into the wastewater streams. The water goes through

Photos / Other Attachments

Photo #1: Wastewater chemical storage



Photo #3: Composite sampler set up to the right of the yellow/orange pole in the center



Photo #2: Start of wastewater treatment process

Mississippi Department of Environmental Quality Office of Pollution Control Water Compliance Inspection Report

Site Name: Koppers Inc

Permit Number(s): Water - Pretreatment Permit No. MSP090300

Mailing Address

PO Box 160

Tie Plant, Mississippi 38960

FILE COPY

Physical Address

1 Koppers Drive

Tie Plant, MS 38960

Grenada County

Evaluation Type: Compliance Evaluation Inspection - Pretreatment

Date of Evaluation: 1/22/2009

Facility Type: Industrial

Inspection Participants: Trayce Moore-Thomas, MDEQ

Purpose of Inspection

The purpose of the inspection was to determine Koppers Inc. compliance status for the Water – Pretreatment Permit.

Permit Status

Koppers Inc holds an active Water Pretreatment permit that was issued March 26, 2007 and will expire February 28, 2012.

Facility Description

Koppers, Inc. manufactures cross ties, utility poles and bridge lumber from logs that they treat on site. The plant is in operation 24 hours per day, 5 days per week. The company headquarters are located in Pittsburgh, PA.

Inspection Summary

Koppers, Inc. has one pretreatment outfall (001) which consists of treated wastewater removed from the conditioning of wood, boiler and cooling tower blow-down, equipment wash-down, storm water, purge water from on-site groundwater monitoring, and wastewater from the backflushing of the water softener.

I met with Mr. Kevin Coker who is now the Assistant Plant Manager and Mr. Ron Rutledge, Treating Supervisor. Mr. Rutledge is responsible for making sure the equipment is maintained and for maintaining the records for the wastewater system. Mr. Coker has been responsible for keeping up with all environmental records that are given to him by the company employees. The company has found it helpful to number the equipment on site. There are three wastewater storage tanks (#12, #16, & #17) on site. Lime is used to make adjustments for pH in the mixing tank (#49). Flocculants and coagulants are added and then the waste water is sent through a

separator. The company uses separator #48B as a holding tank. Presently, separator #48A is the only one in service. Employees were doing reclaim work at the time of inspection. Anything reclaimed is sent back through the treatment process. Solids from the reclaim tank are sent through a press – solids are shipped off site to Clean Harbors in Deer Park, TX, and the liquid goes to a decant tank.

The company had already discharged approximately 4300 gallons the morning of the inspection according to the readout from the flow meter. There are two control rooms on site that information can be obtained from. The pH of the discharge at the time of inspection was 7.78. The system is set up to shutdown if permit limits are reached. The company is also recording Dissolved Oxygen (DO) for the biological tank using an automatic DO meter.

A sampler is set up on site to pull samples.

The records review for the pretreatment process indicated that Argus Analytical, Inc. performs all testing for Koppers. Discharge monitoring reports appear to have been properly completed and submitted to MDEQ. The last excursion noted was in July of 2008 when the clarifier had to be repaired. Koppers has not had any problems since then.

Note: Mr. Coker stated that a new Safety, Health, & Environmental Manager, Blaire Simpson, would be starting on February 1 and taking over some of the duties that he previously had. Mr. Marcus Smith is now the new Plant Manager. All this information will be relayed to MDEQ in writing once it takes place.

Conclusions

No problems or apparent pretreatment violations were noted during the inspection.

Signature Date: 3/24/03

Photos / Other Attachments



Photo 1: Clarifier



Photo 2: Mixing Tank

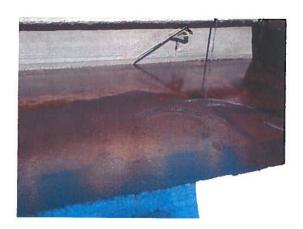


Photo 3: Separator used for holding



Photo 4: Tank used to adjust solids



Photo 5: Press used to remove liquid from solids



Mississippi Department of Environmental Quality Office of Pollution Control Water Inspection Report

Site Name:

Koppers Inc

Permit Number: Water - Pretreatment MSP090300

Physical Address

Mailing Address

1 Koppers Drive Tie Plant, MS 38%0

PO Box 160

Grenada County

Tie Plant, Mississippi 38960

Transaction code:N - new
Completed date: 3/25/2008 10:05:00 AM
Compliance activity & pcs codes: CEI-Pretreatment - 3
acility type:Industrial - 2
nvestigator: Philip LaBarre

Areas Evaluated

S PERMIT	S FACILITY SITE REVIEW
N LABORATORY	S PRETREATMENT
S SELF-MONITORING PROGRAM	N EFFLUENT/RECEIVING WATERS
S RECORDS/REPORTS	S FLOW MEASUREMENT
S SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory

M-Marginal

U-Unsatisfactory

N-Not Evaluated

COMMENTS: Facility was inspected on March 25, 2008. Kevin Coker was contacted at the site. Mr. Coker made three years of records available upon request. The records review included the permit, DMRs, and lab data sheets. All wastewater goes to the POTW with no observed discharge to surface waters. Flow is monitored at the discharge to the POTW line. The most important pretreatment activity is really recycling. The moisture in the wood in a charge is displaced by the treatment chemicals. The water is then separated from the excess treatment chemicals and this is what is sent to the POTW. The site review did not reveal any obvious problems.

Signature:

Date:

Agency Interest No. 876

1 of 1





Mississippi Department of Environmental Quality Office of Pollution Control Air Compliance Inspection Report

Site Name:

Koppers Inc

Energy and Transportation Branch

Permit Number: Air-Title V Operating 096000012

Physical Address

Mailing Address

1 Koppers Drive

PO Box 160

Tie Plant, MS 38960

Tie Plant, Mississippi 38960

Grenada County

AFS Compliance Code: State Compliance Inspection - 27

Completed Date: 3/25/2008 10:05:00 AM

AFS ID: 2804300012

Inspector: Philip LaBarre

SIC 1: 2491

Air Facility Type: Title V

Region: NRO

Person Contacted:

Areas Evaluated

	- adred
	S PERMIT ACCURACY
	S RECORD KEEPING
ŀ	S SITE REVIEW
1	N VISIBLE EMISSION EVALUATION
1	S OPACITY OBSERVED
	REPORTING
s	MONITORING
s	OPERATION AND MAINTENANCE
S.	Satisfied

Air Program: (Check applicable program(s))

- 1	1011	ocy abblic	able program(s))	
	SIP	\boxtimes	3-11	
	PSD			I
	NSPS	\boxtimes		
	NESHAPS			
	MACT	\boxtimes		
		-	- 1	

S-Satisfactory M-Marginal

U-Unsatisfactory N-Not Evaluated

COMMENTS: Facility was inspected on March 25, 2008. The environmental contact was Mr. Kevin Coker, SH&E Supervisor, for Koppers Inc.

Five years of air records were made available upon request. The subsequent review of those records revealed no apparent violations. Details of that review are listed below.

The Title V permit was transferred from Koppers Industries Inc. to Koppers Inc. in April of 2007 and expires January 1, 2009. The need for Koppers to submit a renewal application at least 180 days prior to the expiration date of the permit was discussed. Mr. Coker was aware of this and has been working towards that goal. He noted that some recent tank evaluations revealed some minor discrepancies in tank volumes and that he had informed DEQ of this already. He also said one tank would need a contents change.

Another change is that Emission Point AA-002, an oil fired Murray boiler, was removed and replaced with a natural gas fired boiler. Mr. Coker said the change took place just before he arrived at the plant in the Fall of 2004 and was approved by MDEQ.

Permit Condition 4.2 - the facility has submitted the ACCs as required.

Permit Condition 5.A.4 - the facility has submitted the SMRs as required.

Permit Condition 5.B.1 – Emission Point AA-001, the Wellons wood-fired boiler. The permittee shall record the time and duration of any opacity excursions and the corrective actions taken. The facility uses a CEMS and continuous recorder to comply with this requirement. It appeared all excursions were noted with an explanation provided.

Permit Condition 5.B.2 - Emission Point AA-003, Ref. No. 9, the 29,786 gallon #4 Work Tank containing creosote and subject to NSPS Subpart Kb, the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records are required to be kept for the life of the source. (Ref.: 40 CFR 60.116b(a) & (b)). The analysis was available.

Permit Condition 5.B.3 – Emission Point AA-001 - The permittee shall keep a record of the woodwaste feed rate and the office wastepaper as specified in 5.A.3. This is monitored by recording wood feed auger RPMs on an hourly basis. These records were being kept and appeared to meet the requirements of this condition. The chart of Specific Monitoring and Recordkeeping Requirements found at the beginning of Section 5.B appears to have a misprint. It references this requirement as 5.B.4.

Permit Condition 5.B.4 – Emission Point AA-001 – the permit appears to have a misprint – see 5.B.3 above for details.

The facility is also required to stack test Emission point AA-001. They have complied with this requirement. They have also made a request to stack test earlier than stated in their permit to help with their renewal application submittal. The request was granted by EPD. The following is an excerpt from a 502.B.10 letter Scott Hodges wrote the company on November 13, 2007:

"Additionally, the letter requested approval for modification of the permitted stack testing schedule for the facility. The request was to allow the facility to perform stack testing in the 1st or 2nd quarter of 2008 rather than the 4th quarter of 2008. It is our interpretation of the permit that the facility is allowed to do the biennial stack test earlier than scheduled in the permit. However, this would require the subsequent testing to be moved up as well. Considering this will be the last testing cycle prior to renewal of the permit, the



subsequent testing schedule could be addressed at renewal of the permit. Therefore, we believe the request can also be allowed without requiring a change to the facility's TVOP."

Another requirement found in the Chart is for AA-002 and relates to monitoring and recordkeeping for fuel oil sulfur content. This unit has been removed as described above.

Permit Condition 5.C.1 - Emission Point AA-001, the permittee shall submit a report with the time and duration of any opacity excursions and the corrective actions taken as specified in 5.A.4. These reports have been submitted and appear to meet the requirements of this condition.

Permit Condition 5.C.2 - Emission Point AA-002, the permittee shall submit a report certifying the fuel sulfur content of the fuel oil as specified in 5.A.4. As noted above AA-002 was taken out of service in 2004 and has been replaced with a natural gas fired unit. The new unit did not operate in 2007.

The facility site tour did not reveal any other air emissions issues and there were no visible emissions observed during the inspection.

Signature:

Date:





Mississippi Department of Environmental Quality Office of Pollution Control Water Inspection Report

Site Name:

Koppers Inc

Permit Number: Water - Pretreatment MSP090300

Physical Address

Mailing Address

1 Koppers Drive Tie Plant, MS 38960

PO Box 160 Tie Plant, Mississippi 38960

Grenada County

Transaction code:N - new
Completed date:3/25/2008 10:05:00 AM
Compliance activity & pcs codes: CEI-Pretreatment - 3
Facility type:Industrial - 2
Investigator:J. Dewayne Headrick and Philip LaBarre

Areas Evaluated

S PERMIT	S FACILITY SITE REVIEW
N LABORATORY	S PRETREATMENT
S SELF-MONITORING PROGRAM	N EFFLUENT/RECEIVING WATERS
S RECORDS/REPORTS	S FLOW MEASUREMENT
S SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory

M-Marginal

U-Unsatisfactory

N-Not Evaluated

COMMENTS: Facility was inspected on March 25, 2008. Kevin Coker was contacted at the site. Mr. Coker made three years of records available upon request. The records review included the permit, DMRs, and lab data sheets. All wastewater goes to the POTW with no observed discharge to surface waters. Flow is monitored at the discharge to the POTW line. The most important pretreatment activity is really recycling. The moisture in the wood in a charge is displaced by the treatment chemicals. The water is then separated from the excess treatment chemicals and this is what is sent to the POTW. The site review did not reveal any obvious problems.

Signature:

Date:

Agency Interest No. 876

1 of 1



Mississippi Department of Environmental Quality Office of Pollution Control Water Inspection Report

Site Name:

Koppers Inc

Permit Number: Water-Pretreatment MSP090300

Physical Address

Mailing Address

1 Koppers Drive

PO Box 160

Tie Plant, MS 38960

Tie Plant, Mississippi 38960

Grenada County

Transaction code: -----N - new

Completed date: -----4/5/07

Compliance activity & pcs codes: ----CEI-Pretreatment - 3

Facility type: -----Industrial - 2

Investigator: ------Azzam Abu-Mirshid

Areas Evaluated

S PERMIT	S FACILITY SITE REVIEW
N LABORATORY	S PRETREATMENT
S SELF-MONITORING PROGRAM	N EFFLUENT/RECEIVING WATERS
S RECORDS/REPORTS	S FLOW MEASUREMENT
S SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory

M-Marginal

U-Unsatisfactory

N-Not Evaluated

COMMENTS:

Wastewater generated from steam conditioning of wood, dry kiln condensates, boiler blowdowns, equipment wash wastewater, storm water falling on the drip pad and secondary containment and wastewater from flushing of the water softener system are treated on-site. The wastewater treatment process includes a series of oil-water separators, a flocculation tank, a filter press, an aeration basin and a clarifier. The treated wastewater is discharged to the Grenada POTW.

The facility's Discharge Monitoring Reports (DMR's), sampling records and laboratories reports were kept on file. No violations were noted.

Signature:

Am Ataly

Date: 5-10-07

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

Permit Number:

Subject Item:

2010-10-01 to 2010-10-31 Monitoring Period:

RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler water softner, and purge water from on-site groundwater monitoring). blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

Grab Sampling	Weekly	-		mg/L	C=0.36	MONTH AVG	*****	pounds per day	C=0.105	MONTH_AVG	REQUIREMENT MONTH AVG	O
Grab Sampling	Weekly	-		mg/L	0.8300	0.1128	*****	pounds per day	0.0643	0.0088	MEASUREMENT	39032
Grab Sampling	Weekly	1		mg/L	C=100 DALY MAX	MONTH_AVG		pounds per day	C=28.2	MONTH AVG	REQUIREMENT	Pentachianaharai
Grab Sampling	Weekly	-	0	mg/L	5.0	2.4		pounds per day	0.554	0.230	MEASUREMENT	Oil and grease 03582
24-hr Camposite	Weekly	÷		mg∕L	C=480	<=240 MONTH_AVG	•	pounds per day	C=140 DALY_MAX	MONTH_AVG	3	Effluent
24-hr Composite	Weekly	3	0	mg/L	6.1	3.7	95 ***** 35 5	pounds per day	0.676	0.324	MEASUREMENT	5-day (20 degrees C)
Continuous	Daily	-		*****	•			Milion Gallons per Day	CALY MAX	MONTH_AVG	Z	O
Continuous	Daily	_	0	******				Million Gallons per Day	0.0274	0.0112	MEASUREMENT	50050
Grab Sampling	Weekly	-		mg/L	C=6 DALY_MAX	MONTH_AVG		pounds per day	C=1.75	MONTH AVG	REQUIREMENT	O Cilindair
Grab Sampling	Weekly	_	0	mg/L	0.0170	0.0118		pounds per day	0.0016	0.0010	MEASUREMENT	Phenois (Total) 03604
Grab Sampling	Weekly	_		SU	<=8.5 MAX		>=5.5 MiN				REQUIREMENT	O
Grab Sampling	Weekly	-	0	SU	8.2		7.8	(II) = (2-5) (1-5)		******	MEASUREMENT	00400
24-hr Composite	Weekly	-		™8/L	CALY_MAX	<=300 MONTH_AVG	Medical	pounds per day	DALY MAX	MONTH_AVG	REQUIREMENT	O
24-hr Composite	Weekly	-	0	mg/L	34.0	17.9		pounds per day	3.767	1.602	MEASUREMENT	ocids (Total Suspended)
SAMPLE TYPE	ANALYSIS		Ψ.Ž	STINU	Maximum	Average	Minimum	STINO	Maximum	Average	AND THE RESERVE	- Societies
			5	THE RESTANCE	RATION	QUALITY OR CONCENTRATION	QUALI		RLOADING	QUANTITY OR LOADING		PARAMETER

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

2010-11-16 Certification Date:

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

Permit Number:

Subje

<u>Subject Item:</u>
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2010-09-30

Grab Sampling	Weekly	-		mg/L	DALY MAX	MONTH_AVG	AND THE REST	pounds per day	DALY MAX	MONTH_AVG	REQUIREMENT MONTH AVG	C STORY OF THE PARTY OF THE PAR
Grab Sampling	Weekly	1		mg/L		0.0155		pourius per day	←0.105	<=0.053	PERMIT	Effluent
Grab Sampling	rrodny		100 PE COLUMN		DOT! MAY			pounds not do.	0 0017	0.0008	SAMPLE	renizchiorophenol
	Weekh	4		morL		REPORT MONTH AVG		pounds per day	DALY_MAX	MONTH AVG	REQUIREMENT	0
Grab Sampling	Weekly	_	0	mg/L	5.8	1.5		pounds per day	0.705	0.176	MEASUREMENT	03582 Effluent
24-hr Composite	Weekly			mg/L	DALY_MAX	<=240 MONTH_AVG		pounds per day	DALY_MAX	MO	REQUIREMENT	Oil and grease
24-hr Composite	Weekly	_	0	mg/L	110.0	31.0		Position poi day			PERMIT	00310
Recorder	Daily				NEWS THE PROPERTY OF		*******	pounds per day	6.694	_	SAMPLE MEASI IDENENT	Oxygen Demand, biochemical, 5-day (20 degrees C)
Recorder						******	******	Million Gallons per	C=0.035	MONTH AVG	REQUIREMENT	0
Continuous	Daily	-	0			-		Day	0.0199	Γ	MEASUREMENT	50050 Effluent
Grab Sampling	Weekly	-		mg/L	DAL	MONTH AVG		pourios per day	DALY_MAX	3	SAMPLE	Flow
Grab Sampling	WEEKIY	 		9		<u>(=3</u>			<=1.75	_	PERMIT	
	Woods	-		ma/	0.0410	0.0220	-	pounds per day	0.00260	0.00141	MEASUREMENT	03604
Grab Sampling	Weekly	-		US S	MAX SB=2	******	MIN				REQUIREMENT SAMPLE	Phenois (Total)
Grab Sampling	Weekly	0 1		SU	8.3	*****	6.8				PERMIT	Effluent
24-hr Composite	vveekiy				DALY MAX	MOINT AVG			******	******	SAMPLE	PH
		4		mo/L		<=300	-	pounds per day	DALY MAX	MON	REQUIREMENT	0
24-hr Composite	Weekly	<u> </u>	_	mg/L	41.2	25.2	***************************************	pounds per day	5.011	1.907	MEASUREMENT	00530 Effluent
SAMPLE TYPE	ANALYSIS	贝克		SLIND	Maximum	Average	Minimum		Maximum	1	SAMPLE	Solids (Total Suspended)
	EDCO IFYION OF	1			TRATION	QUALITY OR CONCENTRATION	CUAL	LINITS	1			- National Control

Certification Statement:

or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2010-10-14

Discharge Monitoring Report Form

Grenada County Agency Interest: 876 - Koppers Inc

Permit Number: MSP090300

blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler Subject Item:

water softner, and purge water from on-site groundwater monitoring).

2010-08-01 to 2010-08-31 Monitoring Period:

Cart Saul	Weekly	1	тубш	DALY MAX	MONTH AVG	*****	pounds per day	DALY MAX	MONTH AVG	REQUIREMENT	
Grab Sampling	Weekly	0	mg/L	0.0220	2015			<=0.105	<=0.053		Effluent
Grad Sampling				O O O O O	0.0127	******	pounds per day	0.0026	0.0012	MEASUREMENT	39032
0	Weekh	-	mg/L		MONTH AVG	1	pounds per day	DALY MAX	MONTH AVG	REQUIREMENT	0
Grab Sampling	Weekly	0	mg/L	15.6	3.1		pounds per day	0.9486	0.189/	MEASUREMENT	03582 Effluent
24-hr Composite	Weekly :		mg/L	DALY_MAX	MONTH_AVG		pounds per day	DALY_MAX	MONTH_AVG	3	O and grease
24-hr Composite	Weekly	- -	mg/L	0.6				6=140	€70	PERMIT	00310
Recorder	Cally			n a	41		pounds per day	0.576	0.345	MEASUREMENT	5-day (20 degrees C)
Continuous			III seeses (III)			1	Million Gallons per Day	DALY MAX	MONTH AVG	REQUIREMENT	0
Continuous	Daily	0		*******	100 May 100 Ma		Day	2810.0	DEBORT.	MEASUREMENT	Effluent
Grab Sampling	weekry	1		DALY MAX	MONITE AVG		Million Gallone per		00104	SAMPLE	Flow
Grandaria Grandaria	W	+	mod		MONTH AND		pounds per day	DALY MAX	MONTH AVG	REQUIREMENT MONTH AVG	0
Grah Sampli	Weekly	0	mg/L	0.0390	0.0232	1	pounds per day	0.00446	Γ	MEASUREMENT	U3604 Effluent
Grab Sampling	Weekly		92	MAX	1 1950 PM (2000)	MIN	The Part of September 1		7	SAMPLE	Phenois (Total)
out out span		+	2	€8.5		×=5.5				REQUIREMENT	0
Grab Samolino	Weekly	0	SU	7.6	I	7.0				MEASUREMENT	00400 Effluent
24-hr Composite	Weekly	-	mg/L	Ş	MONTH AVG			DAT I MAX	200	SAMPLE	PH
an dompo		-		€600	<=300		pounds per day	C=175	_	REQUIREMENT	0
24-hr Composite	Weekly	0 1	mg/L	75.0	35.2	*******	pounds per day	6./4/		MEASUREMENT	UU530 Effluent
SAMPLE TYPE	ANALYSIS	낒	ONLO	Maximum	Average	Whitelean			7	SAMPLE	Solids (Total Suspended)
	FREQUENCY OF	Ö		RATION	GUALITY OR CONCENTRATION	COAL	SLIND	Average Maximum	Average	THE STREET, ST	

Certification Statement:

best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

2010-09-14 Certification Date:

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

Permit Number: MSP090300

Subject Item:

RPNT 0000000001.

RPNT 00000000001-MSP0990300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

water softner, and purge water from on-site groundwater monitoring).

Monitaring Period: 2010-07-31

PARAMETER		10000	Average OK LONDING	STIN	CUAL	CUALITY OR CONCENTRATI	TRATION		NO	FREQUENCY OF	
Solids (Total Suspended)	SAMPLE	Аувгаде	Maximum		Minimum	Average	Maximum	UNITS	D	ANALYSIS	SAMPLE TYPE
00530	MEASUREMENT	T 3.556	5.315	pounds per day	******	67.1	145.0	mg/L	=	1 Weekly	24-hr Composite
O	REQUIREMENT	MONTH AVG	C=175	pounds per day	******	€=300		mod	_		24 10 0000
Ho	SAMPLE	-				MON IH AVG	DALY MAX	7.80.11		• • • • • • • • • • • • • • • • • • •	24-hr Composite
00400 Effluent	MEASUREMENT				7.2		7.9	SU	0	1 Weekly	Grab Sampling
0	REQUIREMENT				×=5.5		<=9.5	SI		Work State	
Phenois (Total)	SAMPLE				bittat.	O THE PROPERTY OF THE PERSON NAMED IN	MAX	-		VVERUY	Grab Sampling
03604 Efficient	MEASUREMENT		0.00271	pounds per day		0.0239	0.0450	mg/L	0	1 Weekly	Grab Sampling
o	REQUIREMENT	MONTH_AVG	DALY MAX	pounds per day		MONTH AVG	DAI Y MAY	mg/L		1 Wankh	Cook Comple
50050	MEASUBEMENT	0.0098	0.0168	Million Gallons per		*******	Cont. Index		100000		Philippo cano
Effluent	PERMIT		<=0.035	Million Gallons per					6	1 Daily	Recorder
Oxygen Demand highering	REQUIREMENT	MONTH AVG	DALY MAX	Day				-		1 Daily	Continuous
5-day (20 degrees C)	MEASUREMENT	0.773	1.593	pounds per day		13.1	26.2	ma/l	5	1 Workh	Recorder
effluent	PERMIT <=70 REQUIREMENT MONTH AVG	MONTH AVG	C=140	pounds per day		<=240 MONTH AND	<=480	mod		Washing	Z-T-III Composite
Oil and grease 03582	SAMPLE	0.356	0.579	pounds per day		6.9	15.8	moli	D		erin composite
Effluent	PERMIT		<=29.2	nounds per day	******	REPORT	←100	T.	,	vveekly	Grab Sampling
Pentachlomohenol	CAMBI E	DAV LINCKI	DALT MAX			MONTH_AVG	DALY MAX	mg/L	X	Weekly	Grab Sampling
39032	MEASUREMENT	0.0009	0.0012	pounds per day		0.0125	0.0140	mo/L	9	Work	
O	PERMIT	MONTH AVG	€=0.105	pounds per day	*****	<=0.18	<=0.36			· · · · · · · · · · · · · · · · · · ·	Grad Gamping

Certification Statement:

system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2010-08-08

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

Permit Number: MSP090300

Subject Item:

RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2010-07-01 to 2010-07-31

PARAMETER		QUANTITY	QUANTITY OR LOADING	HINITE	QUAL	QUALITY OR CONCENTRATION	RATION		S S		ERECHENCY OF	
Solids (Total Supponded)	CAMBIE	Average	Maximum	CINIO	Minimum	Average	Maximum	UNITS	贝		ANALYSIS	SAMPLE TYPE
00530	MEASUREMENT	3.556	5.315	pounds per day	*****	67.1	145.0	mg/L	0	_	Weekly	24-hr Composite
Effluent O	PERMIT REQUIREMENT	MONTH AVG	C=175	pounds per day		WONTH AVG	009=>	mg/L		-	Weekly	24-hr Composite
рН 00400	SAMPLE				7.2		7.9	SI	0	1	Waakh	Carb Carplin
Effluent	PERMIT	******	******		×5.5		€95					Guidana onio
0	REQUIREMENT	***************************************	******		MN .		XAX C.B.S	S		1	Weekly	Grab Sampling
Pnenois (i otal) 03604	MEASUREMENT	0.00146	0.00271	pounds per day		0.0239	0.0450	mg/L	0	-	Weekly	Grab Sampling
Emuent O	REQUIREMENT	<=0.88 MONTH_AVG	CE1.75 DALY_MAX	pounds per day		MONTH AVG	DALY MAX	mg/L		-	Weekly	Grab Sampling
50050	MEASUREMENT	0.0098	0.0168	Million Gallons per Day	*****		1	******	0	4	Daily	Continuous
O	REQUIREMENT	REPORT MONTH_AVG	<=0.035 DALY_MAX	Million Gallons per Day	******	*******		*****		_	Daily	Continuous
Oxygen Demand, biochemical, 5-day (20 degrees C)	SAMPLE MEASUREMENT	0.773	1.593	pounds per day		13.1	26.2	mg/L	0	-	Weekly	24-hr Composite
Effluent	PERMIT <=70 REQUIREMENT MONTH_AVG	C=70 MONTH_AVG	C=140	pounds per day		C=240 MONTH_AVG	C=480	T/6w		-	Weekly	24-hr Composite
Oil and grease 03582	SAMPLE MEASUREMENT	0.356	0.579	pounds per day		6.9	15.8	mg/L	0	-	Weekly	Grab Sampling
Effluent	PERMIT	REPORT MONTH AVG	C=29.2	pounds per day		REPORT MONTH AVG	CAL Y MAY	mg/L		-	Weekly	Grab Sampling
Pentachlorophenol 39032	SAMPLE MEASUREMENT	0.0009	0.0012	pounds per day		0.0125	0.0140	mg/L	0	<u> </u>	Weekiy	Grab Sampling
Effluent O	PERMIT <=0.053 REQUIREMENT MONTH AVG	<=0.053 MONTH_AVG	C=0.105	pounds per day	1	MONTH AVG	<=0.36 DALY MAX	mg/L		-	Weekly	Grab Sampling

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2010-08-08

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

MSP090300 Permit Number:

consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand Subject Item:
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater water softner, and purge water from on-site groundwater monitoring).

> Monitoring Period: 2010-06-01 to 2010-06-30

Grab Sampling	Weekly	1	mg/L	DALY MAX	MONTH AVG		pounds per day	DALY MAX	MONTH AVG	REQUIREMENT	0
Grab Sampling	Weekly	0 1	mg/L		0.0165		pounds per day	0.00Z/	<=0.053	PERMIT	SHU32 Effluent
Sundume nero	T. COM		CHILD BY GUESTING	COLE : MANY				70007	0.0016	SAMPLE	Pentachlorophenol
Carlo Carlo	Washy		mg/L	CAL > MAY	REPORT MONTH AVG	******	pounds per day	CALY MAX	MONTH AVG	Z	0
Grab Sampling	Weekly	-	mg/L	8.0	4.7		pounds per day	0.816	0.406	MEASUREMENT	03582 Effluent
24-hr Composite	Weekly	-	πg/L	C=480 DALY_MAX	C=240 MONTH_AVG		pounds per day	DALY_MAX	MONTH_AVG	REQUIREMENT	Oil and orease
24-hr Composite	Weekly	0 1	mg/L	33.5	15.8		pourius per day	2.000	100	DEBNIT	00310
Recorder	Daity	-			100年100万万元		Day	DALT MAX	1346	SAMPLE	Oxygen Demand, biochemical,
Recorder						******	Million Gallons per	<=0.035	REPORT	RECHERMIT	O
Continuous	Daily	<u> </u>				1	Day Day	0.0261	0.0094	MEASUREMENT	50050
Grab Sampling	Weekly		mg/L	DALY_MAX	MONTH AVG		pounds per day	DALY MAX	MONTH AVG	REQUIREMENT SAMPLE	Flow
Grab Sampling	Weekly	1	mg/L	0.0090	0.0010			C=1.75	<=0.88	PERMIT	Effluent
The second second				0.0690	0.0316	******	pounds per day	0.00879	0.00313	MEASUREMENT	03604
Grah Sampling	Weekty		SU	XAW 5.8=>		MZ 5		******	100000	REQUIREMENT	0
Grab Sampling	Weekly	0	SU	8.0		7.4				MEASUREMENT	00400 Effluent
24-hr Composite	Weekly	1	mg/L	DALY MAX	MONTH AVG		pourios per day	DALY MAX	NO	SAMPLE	Ŧ
24-11 Composite	recony	<u> </u>) I GROOT	C=300			<=175	_	PERMIT	Emuent
34 by Command	Weekly	-	mg/L	284.0	120.4		pounds per day	21.528	9.748	MEASUREMENT	00530
SAMPLE TYPE	ANALYSIS	Q 8	UNITS	Maximum	Average	Minimum	Carro	Maximum	Average	SAMP	Solids (Total Suspended)
	EBEOLIEVICA OF	5		RATION	MOVED TOK CONCENTRATIO	COME	STINU	A			· · · · · · · · · · · · · · · · · · ·

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the

Marcus Smith

2010-07-14 Certification Date:

Mississippi Department of Environmental Quality **Discharge Monitoring Report Form**

Permit Number:

<u>Monitoring Period:</u> 2010-05-01 to 2010-05-31

MSP090300

876 - Koppers Inc Grenada County Agency Interest:

Subject Item:
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

		L										
Grab Sampling	Weekly	-		mg/L	C=0.36	MONTH AVG	*****	pounds per day	DALY MAX	MONTH_AVG	REQUIREMENT MONTH_AVG	C
Grab Sampling	Weekly	0	°	mg/L	0.2300	0.1235		poullus per day	<=0.105	<=0.053	PERMIT	Effluent
Grad Sampling	***GONIY	-			DAL I MAY	200			90350	0.01780	_	Pentachlorophenol
Co. S	Weekly	•	1	mg/L	<=100	REPORT MONTH AVG	******	pounds per day	DALY_MAX	MONTH_AVG	Ÿ,	0
Grab Sampling	Weekly	9	0	mg/L	АВ	AB	******	pounds per day	AB	AB	MEASUREMENT	03582 Effluent
24-hr Composite	Weekly	-		mg/L	<=480 DALY_MAX	<=240 MONTH_AVG	•	pounds per day	DALY_MAX	MONTH_AVG	REQUIREMENT MONTH_AVG	Oil and grease
24-hr Composite	Weekly		0	mg/L	17.2	9.2		pounds per day	220.2	7-70	DEBMIT	00310
Recorder	Daily							Cay	2 622	1 250		Oxygen Demand, biochemical,
Continuous		٠	1	*****	*****	*****	*****	Million Gallons per	C=0.035	MONTH AVG	REQUIREMENT	0
Continuous	Daily		0	*****	***	****	******	Day	0.0215	0.0139	MEASUREMENT	50050 Effluent
Grab Sampling	Weekly			mg/L	DALY_MAX	MONTH_AVG		Million	COLT - MOV		SAMPLE	Flow
Grad Geniping		2	+		\neg	£3	*****	pounds per day	C=1.75	MONTH AVG	REQUIREMENT	O
Grah Sampling	Weekly	-	-	mg/L	0.0490	0.0312	*****	pounds per day	0.00878	0.00443	MEASUREMENT	03604
Grab Sampling	Weekly	_		SU	MAX MAX	****	MIN				SAMPLE	Phenois (Total)
Grab Sampling	Weekly	_	-	SU	7.6		>=5.5			*****	PERMIT	Effluent
ansodino il 1	Jones		\dagger		22		7,	*****	*****	*****	SAMPLE	PH
34 by Company	Waskly			mg/L) \ (H	MONTH AVG	*****	pounds per day	DA	MONTH AVG	Z,	0
24-hr Camposite	Weekly	_	0	mg/L	26.5	21.3		pounds per day	2778	<=88 	PERMIT	Effluent
SAMPLE ITPE	ANALYSIS		Ø		Maximum	Shelland			3 /30	2773	SAMPLE	Solids (Total Suspended)
באאם ה האם	FREQUENCY OF		NO	STINO	31.02	August	Minimum	ON	Maximum	Average		
		1			BATION	QUALITY OR CONCENTRATION	OUAL		QUANTITY OR LOADING	QUANTITY		PARAMETER

Certification Statement:

best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date:

Discharge Monitoring Report Form

Permit Number: MSP090300

Agency Interest: 876 - Koppers Inc Grenada County

<u>Subject Item:</u>
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2010-04-30

Weekly Grab Sampling Weekly Grab Sampling		_	mg/L	C=0.36	MONTH AVG	1	pounds per day	DALY MAX	MONTH AVG	ENT	0
	Weekly	0	mg/L	0.0860	0.0338	*****	pounds per day	0.00824	0.00339	MEASUREMENT	39032 Effluent
L	We	_	mg/L	DALY MAX	MONTH AVG		pouries per uay	DALY MAX	MONIH_AVG	SAMPLE	Pentachiorophenol
	recony	L'		(=\frac{1}{1})	REPORT		Double par day	<=29.2	REPORT	PERMIT	Emluent
	We	0	mo/L	5.3	2.6	******	pounds per day	0.637	0.286	MEASUREMENT	03582
Weekly 24-hr Composite		1	mg/L	CALY_MAX	<=240 MONTH_AVG		pounds per day	DALY_MAX	MONTH_AVG	3	O
Weekly 24-hr Composite	We	0 1	mg/L	16.8	10.5		pounds per day	1.000	ij.	MEASUREMENT	00310
Daily Conunuous Recorder	p	-					Uay	1 EDD	CSD U	SAMPLE	Oxygen Demand, biochemical,
-		+			******	*****	Million Gallons per	<=0.035		REOLIREMENT	O
Daily Continuous	٥	<u>-</u>				-	Day Day	0.0251		MEASUREMENT	50050
Weekly Grab Sampling		_	mg/L	DALY MAX	MONTH_AVG		pounds per day	DALY_MAX	š	SAMPLE	Flow
stockly Glab Sampling		Ļ.	9		<i>(</i> −2			<=1.75		PERMIT	Emuent
_	Wo	-	ma/L	0.0750	0.0418	-	pounds per day	0.00718	0.00417	MEASUREMENT	03604
Weekly Grab Sampling		-	SU	MAX		MIN	The state of the s	A COLUMN STATE OF THE PARTY OF		SAMDIT	Phenois (Total)
Grap Sampling		'		3.0=2		>=5.5	******	*****	******	PERMIT	Candent
Weekly	W.	0	SU	8.0	*****	7.4	******			MEASUREMENT	00400
Weekly 24-hr Composite	1 We	-	mg/L	DALY MAX	MONTH AVG		pounds per day	DALY MAX	NO	REQUIREMENT	와 o
Weekly 24-hr Composite	1 We	0	mg/L	22.4	17.9		pounds per day	2002		PERMIT	Effluent
YSIS SAMPLE ITPE	ANALYSIS	X		Unuixem	afferioav			3 693		SAMPLE	Solids (Total Suspended)
-	FREQUENCY OF	O.	STINU	IRATION	QUALITY OR CONCENTRATIO	MONT	STINU	Average Maximum	Average		· Coccasie en

Certification Statement:

system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2010-05-14

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> MSP090300 Permit Number:

consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring). RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater Subject Item:

Monitoring Period: 2010-03-01 to 2010-03-31

Account Column	Grab Sampling	Weekly			mg/L	C=0.36	MONTH AVG		pounds per day	DALY_MAX	MONTH AVG	REQUIREMENT MONTH AVG	0
SAMPLE S.39 9.29 Pounds per day SAMPLE	Grab Sampling	Weekly	_	٥	mg/L	0.04900	0.00980	****	pounds per day	0.0063	0.0013	MEASUREMENT	39032 Effluent
CONVENIENDE CONVENIENT CANADITY CANA	Grab Sampling	Weekly	-		mg/L	DALY MAX	MONTH AVG	*****	pounds per day	DALY MAX	MONTH_AVG		O
COUNTY C	Grab Sampling	Weekiy	-	0	mg/L	АВ	АВ		pounds per day	AB	AB	MEASUREMENT	03582 Effluent
Average Aver	24-hr Composite	Weekly	-		mg/L	CALY_MAX	<=240 MONTH_AVG		pounds per day	C=140 DALY_MAX	MONTH_AVG	REQUIREMENT	Effluent O
Average Maximum Moverage Maximum Moverage Maximum Maximum Average Maximum Moverage Maximum Moverage Maximum Maximum Average Maximum Moverage Maximum Maximum Average Maximum Maximum Maximum Average Maximum Maximum Average Maximum Maximum Average Maximum Maximum Maximum Average Maximum	24-hr Composite	Weekiy	=	٥	mg/L	8.4	4.1	*****	pounds per day	0.770	0.429	MEASUREMENT	5-day (20 degrees C) 00310
CONTINITY CONTINUE	Continuous	Daily	-		*****	•			Day Day	DALY MAX	MONTH_AVG	REQUIREMENT	Oxygen Demand biochemical
MEASUREMENT 1.00386 Maximum Minimum Average Minimum Average Minimum Average Maximum Minimum Average Minimum Average Minimum Average Maximum Minimum Average	Continuous	Daily		0	******	*******		******	Day	0.0289	0.0170	MEASUREMENT	50050 Effluent
CONTRILITY CON	Grab Sampling	Weekly	-		mg/L	DALY_MAX	MONTH AVG	*****	pounds per day	DALY MAX	MONTH_AVG	REQUIREMENT	O
MEASUREMENT 1-000	Grab Sampling	Weekly	_	0	mg/L	0.03800	0.02052	*****	pounds per day	0.00396		MEASUREMENT	03604 Effluent
SAMPLE S	Grab Sampling	Weekly	-1		SU	×≈8.5 MAX	******	MIN S		******	******	REQUIREMENT	O Phenois (Total)
SAMPLE 5.39 9.29 pounds per day FREQUENCY MONTH_AVG DALY_MAX Pounds per day GUALTY OR CONCENTRATION UNITS NO. FREQUENCY OF ANALYSIS EX ANALYSIS PROUBLE CENTRATION UNITS EX ANALYSIS NEW PERMIT CENTRATION UNITS EX ANALYSIS ON THE CONCENTRATION UNITS EX ANALYSIS NEW PERMIT CENTRATION UNITS EX ANALYSIS ON THE CONCENTRATION UNITS EX ANALYSIS NEW PERMIT CENTRATION UNITS EX ANALYSIS ON THE CONCENTRATION UNITS EX	Grab Sampling	Weekly	_	0	SU	7.9		7.2		******	*****	MEASUREMENT	00400 Effluent
SAMPLE 5.39 9.29 pounds per day Concentration UNITS QUALITY OR CONCENTRATION UNITS NO. FREQUENCY OF Maximum Average Maximum UNITS EX. ANALYSIS EX. ANALYSIS OF THE CONCENTRATION UNITS NO. FREQUENCY OF ANALYSIS OF THE CONCENTRATION UNITS NO. FREQUENCY OF THE CONCENTRATION UNITS NO. FR	24-hr Composite	Weekly	-		mg/L	C=600	MONTH AVG	*****	pounds per day		MONTH_AVG	REQUIREMENT	足の
Average Maximum UNITS Minimum Average Maximum UNITS EX ANALYSIS	24-hr Composite	Weekly	-	-	mg/L	119.0	55.1	******	pounds per day	9.29		MEASUREMENT	00530 Effluent
	SAMPLE TYPE	ANALYSIS	150	민공	STINU	RATION Maximum	Average	Minimum	UNITS	Maximum	Average	CAMBIE	PARAMETER

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the including the possibility of fine and imprisonment for knowing violations." best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,

Marcus Smith

2010-04-22 Certification Date:

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc **Grenada County**

Permit Number:

Subject Item:
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand wastewater generated from the backflushing of the GE Osmonics brand. water softner, and purge water from on-site groundwater monitoring).

> 2010-02-01 to 2010-02-28 Monitoring Period:

PARAMETER		Average	Average Maximum	STINU	QUAL	QUALITY OR CONCENTRATION	TRATION	INITE	NO.	J	FREQUENCY OF	
Solids (Total Suspended)	SAMPLE	40.44	THE PROPERTY.		MINIMUM	Average	Maximum	ONITO	모		ANALYSIS	SAMPLE TYPE
00530 Effluent	MEASUREMENT	Γ	15.90	pounds per day	******	74.8	101.0	mg/L	0	_	Weekly	24-hr Composite
0	REQUIREMENT	MONTH AVG	DALY MAX	pounds per day	*******	<=300	2	mod		1		
PH	SAMPLE	7			Store dresh (Pengille)	MON H AVG	DALY MAX	Juffill		3	weekly	24-hr Composite
00400 Effluent	MEASUREMENT		******		7.2		7.6	SU	0	-	Weekly	Grab Sampling
0	REQUIREMENT	******	-		N.N.		<=9.5	SU		•	Month	
Phenois (Total)	SAMPLE		00004			The state of the s	MAX	-	20.00		учениу	Grab Sampling
03604 Effluent	MEASUREMENT	L	0.00291	pounds per day	******	0.00965	0.01600	mg/L	°	-	Weekly	Grab Sampling
o	REQUIREMENT	MONTH AVG	DALY MAX	pounds per day	•	MONTH AVG	DAI Y MAY	mg/L		•	Weekh	Cate
50050	MEASUREMENT	0.0142	0.0259	Million Gallons per	******	*******	COURT INCO				. Towns	Gran Sampling
Effluent	PERMIT		<=0.035	Million Gallons per					·	F	valiy	Recorder
Oxygen Demand, biochemical,	SAMPLE	ž Č	DALY MAX	Day			*******	111111		-	Daily	Continuous
o-day (ZU degrees C)	MEASUREMENT	0.00	0.85	pounds per day	******	4.0	5.4	mg/L	0	\dashv	Weekly	34 kg Comma
Effluent O	PERMIT <=70 REQUIREMENT MONTH_AVG	MONTH_AVG	C=140 DALY_MAX	pounds per day		<=240 MONTH AVG	<=480 PALY MAY	mg/L			Waakh	24-by Composite
Oil and grease 03582	SAMPLE MEASUREMENT	AB	ΑB	pounds per day		AB	AB	moli	9	- 85 85		Composite
Effluent	PERMIT		<=29.2	pounds per day		REPORT	←100	i ii	٠	-	weekly	Grab Sampling
Pentachlorophenol	SAME FINES	MONIT AVG	DALY MAX	position per day		MONTH AVG	DALY MAX	mg/L			Weekly	Grab Sampling
39032	MEASUREMENT	0.0020	0.0044	pounds per day	******	0.01195	0.02800	Mod	•	+	Walt	
Effluent	PERMIT	<=0.053	<=0.105			GD 18	36 0=>	9	╀	+	үүөөкіу	Grab Sampling
	RECOUREMENT MONTH AVG	MONTH AVG	DALY MAX	pounds per day		MONTH AVG	DALY MAX	mg/L		-	Weekly	Grab Sampling

Certification Statement:

best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date:

Discharge Monitoring Report Form Subject Item:

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

<u>Imber:</u> S

<u>Subject item:</u>

RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2010-01-01 to 2010-01-31

PARAMETER		CUANTITY OR LOADING	X LOADING	INTO	QUAL	QUALITY OR CONCENTRATION	RATION		Š	٦	FREDI ENCY OF	
Solido (Total S.	CALLE	Average	Maximum	Galla	Minimum	Average	Maximum	UNITS	7	ij	ANALYSIS	SAMPLE TYPE
Solids (Total Suspended) 00530	MEASUREMENT	3.32	11.43	pounds per day	******	34.4	51.2	mg/L	٥	긔	Weekly	24-hr Composite
O	REQUIREMENT	MONTH_AVG	C=175	pounds per day	******	MONTH AVG	-600	mg/L		-	Weekly	24-hr Composite
pH 00400	SAMPLE		*****	*****	7.1	***************************************	7.4	SU	0	<u> </u>	Weekly	Grah Sampling
Effluent	PERMIT	******	******		>=5.5	*****	<=9.5	SU		4	Washiv	Cook Sample
Phenois (Total)	SAMPIF			The second second second	MIN	The second second	MAX	The second		•	· · · · · · · · · · · · · · · · · · ·	Grad damping
03604	MEASUREMENT	0.00100	0.00313	pounds per day		0.01355	0.02000	mg/L	0	_	Weekly	Grab Sampling
Effluent O	REQUIREMENT	MONTH AVG	C=1.75	pounds per day	******	MONTH AVE		mg/L			Weekly	Grah Sampling
Flow	SAMPLE	0 0000	0.0207	Millon Gallons per		1000	COLE INDIAN			1	The state of the s	and an analysis
50050 Efficient	MEASUREMENT		0.0307	Day	*******	*****	******	******	0		Daily	Continuous
0	REQUIREMENT	MONTH AVG	DALY MAX	Million Gallons per Day	*****		44444	******		-	Daily	Continuous
Oxygen Demand, biochemical, 5-day (20 degrees C)	SAMPLE MEASUREMENT	0.40	0.98	pounds per day		8.3	11.7	mg/L	0	1	Weekly	24-hr Composite
00310 Effluent O	PERMIT REQUIREMENT	<=70 MONTH_AVG	C=140 DALY MAX	pounds per day	*****	<=240 MONTH AVG	<=480 DALY MAX	mg/L		-	Weekly	24-hr Composite
Oll and grease 03582	SAMPLE MEASUREMENT	AB	Æ	pounds per day	******	AB	AB	mg/L	•	-	Weekly	Grah Sampling
Effluent O	PERMIT	REPORT MONTH AVG	<=29.2	pounds per day	******	REPORT	<=100	mori	_	•	Month	
Pentachiorophenol	SAMPLE					MONIN AVG	DALY MAX	- 6		L	redeny	Grandings on a
39032	MEASUREMENT	0.00726	0.02902	pounds per day	-	0.03271	0.13000	mg/L	0	_	Weekiy	Grab Sampling
O	REQUIREMENT MONTH_AVG	<=0.053 MONTH_AVG	CALY MAX	pounds per day		C=0.18	C=0.36	mg/L	117	1	Weekly	Grab Sampling

Certification Statement:

system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a including the possibility of fine and imprisonment for knowing violations."

Marain Sa

Marcus Smith

Certification Date: 2010-02-10

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

Subject Item.

RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

water softner, and purge water from on-site groundwater monitoring).

Monitaring Period: 2009-12-31

Grab Sampling	Weekly			mg/L	C=0.36	MONTH_AVG		pounds per day	C=0.105	MONTH AVG	REQUIREMENT MONTH AVG	O
Grab Sampling	Weekly	-	٥	mg/L	0.0340	0.0100	******	pounds per day	0.0082	0.0022	MEASUREMENT	39032 Efficant
Grab Sampling	Weekly	1		mg/L	C=100 DALY_MAX	MONTH_AVG		pounds per day	DALY MAX	MONTH AVG	Z	Pentachiamphenal
Grab Sampling	Weekly	-	٥	mg/L	NODI=B	NODI=B	*****	pounds per day	NODI=B	NODI=B	MEASUREMENT	Oil and grease 03582
24-hr Composite	Weskly	4		mg/L	C=480	C=240 MONTH_AVG	*****	pounds per day	<=140 DALY_MAX	C=70 MONTH_AVG	PERMIT <=70 REQUIREMENT MONTH_AVG	Effluent
24-hr Composite	Weekly	-	•	mg/L	35.2	22.9	******	pounds per day	6.33	3.07	MEASUREMENT	5-day (20 degrees C)
Continuous	Daily	-		******	******			Million Gallons per Day	DALY MAX	MONTH_AVG	Z	Owner Demond
Continuous Recorder	Daily	-	0	******	******			Million Gallons per Day	0.0290	0.0104	MEASUREMENT	50050 Effluent
Grab Sampling	Weekly	1		mg/L	DALY_MAX	C=3 MONTH_AVG	******	pounds per day	DALY MAX	MONTH AVG	N I	e o
Grab Sampling	Weekly	-	0	J/6w	0.0440	0.0290		pounds per day	0.0106	0.0044	MEASUREMENT	03604 Effluent
Grab Sampling	Weekly	-		SU	<=9.5 MAX	*****	>=5.5 MIN	******	******	******	REQUIREMENT	Phenok (Total)
Grab Sampling	Weekly	日	0	SU	8.1	******	7.3	•••••	*****	******	MEASUREMENT	00400
24-hr Composite	Weekly	_		mg/L	C=600	<=300 MONTH_AVG		pounds per day	DALY MAX	MONTH AVG	REQUIREMENT	e o
24-hr Composite	Weekly	三	0	mg/L	56.8	42.3	******	pounds per day	13.72	6.20	MEASUREMENT	00530
SAMPLE TYPE	ANALYSIS		۳ <u>۲</u>	SLIND	Maximum	Average	Minimum	ONITS	Maximum	Average	2000	Colido Tatal Company
	200	1	5		RATION	QUALITY OR CONCENTRATION	QUAL		COMMITT OK LUADING	COMMITT		PARAMETER

Certification Statement:

or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2010-01-12

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number. MSP090300

Subject Item:
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2009-01-01 to 2009-12-31

			-		VANIA INDIV	7447						
Semiannually 24-hr Composite	Semiannually	_		mg/L	<=2.2	REPORT	******	pounds per day	4=0.642 ANN MAX	ANN AVG	REQUIREMENT	C Emuent
24-hr Composite	Semiannually		0	mg/L	NODI=B	NODI=B	******	pounds per day	NODI=B	NODI=B	MEASUREMENT	Copper (Total Recoverable) 01119
24-hr Composite	Semiannually	_	V.	тувш	ANN MAX	REPORT ANN AVG	******	pounds per day	ANN_MAX	ANN AVG	REQUIREMENT	O
24-hr Composite	Semiannually	_	0	mg/L	NODI=B	NODI=B		pounds per day	NODI=B	NODI=B	SAMPLE MEASUREMENT	Chromium (Total Recoverable) 01118
24-hr Composite	Semiannually			mg/L	<=0.45 ANN_MAX	REPORT ANN AVG	******	pounds per day	ANN MAX	ANN AVG	REQUIREMENT	O
24-hr Composite	Semiannually	_	0	mg/L	0.0100	0.0050	******	pounds per day	0.0016	0.0008	MEASUREMENT	Arsenic (Total Recoverable) 00978
SAMPLE TYPE	ANALYSIS		, D	ONITO	Maximum	Average	Minimum	omio	Maximum	Average		
	FREQUENCY OF		N N		RATION	QUALITY OR CONCENTRATION	QUALIT	INITS	QUANTITY OR LOADING	QUANTITY	-	PARAMETER

Certification Statement:

system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the including the possibility of fine and imprisonment for knowing violations." best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a

Marcus Smith

Certification Date: 2010-01-14

Mississippi Department of Environmental Quality **Discharge Monitoring Report Form**

Agency Interest: 876 - Koppers Inc Grenada County

> MSP090300 Permit Number:

2009-11-01 to 2009-11-30 Monitoring Period:

Subject Item:
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Grab Sampling	Weekly	1	L.	mg/L	C=0.36	MONTH_AVG	******	pounds per day	C=0.105 DALY_MAX	C=0.053 MONTH_AVG	PERMIT <=0.053 REQUIREMENT MONTH_AVG	Effluent O
Grab Sampling	Weekly	-	0	mg/L	0.0120	0.0046	*****	pounds per day	0.0014	0.0005	SAMPLE MEASUREMENT	Pentachlorophenol 39032
Grab Sampling	Weekly	1		mg/L	DALY MAX	REPORT MONTH_AVG	*****	pounds per day	C=29.2 DALY_MAX	MONTH_AVG	REQUIREMENT	Effluent O
Grab Sampling	Weekly	=	0	mg/L	12.3	2.5		pounds per day	2.02	0.40	SAMPLE MEASUREMENT	Oil and grease 03582
24-hr Composite	Weekly	-		mg/L	CALY_MAX	<=240 MONTH_AVG	i	pounds per day	C=140 DALY_MAX	<=70 MONTH_AVG	PERMIT REQUIREMENT	Effluent O
24-hr Composite	Weekly		0	mg/L	26.4	18.8	******	pounds per day	3.12	2.21	MEASUREMENT	Oxygen Demand, biochemical, 5-day (20 degrees C)
Continuous Recorder	Daily	1		******		*****	******	Million Gallons per Day	C=0.035	MONTH_AVG	REQUIREMENT	O
Continuous Recorder	Daily	1	0		******		******	Million Gallons per Day	0.0197	0.0118	MEASUREMENT	50050
Grab Sampling	Weekly	-		mg/L	C=6 DALY_MAX	MONTH_AVG	******	pounds per day	DALY_MAX	MONTH_AVG	REQUIREMENT	O
Grab Sampling	Weekly		٥	mg/L	0.0160	0.0098	******	pounds per day	0.0026	0.0012	SAMPLE MEASUREMENT	Phenols (Total) 03604
Grab Sampling	Weekly	-		SU	<=9.5 MAX	******	>=5.5 MIN		*****		REQUIREMENT	Effluent O
Grab Sampling	Weekly	_	0	SU	8.2	******	7.4		******	•••••	SAMPLE MEASUREMENT	00400
24-hr Composite	Weekly	-		mg/L	DALY MAX	C=300 MONTH_AVG	******	pounds per day	C=175 DALY_MAX	MONTH_AVG	PERMIT REQUIREMENT	Effluent O
24-hr Composite	Weekly	_	0	mg/L	77.2	55.2		pounds per day	9.97	6.37	SAMPLE MEASUREMENT	Solids (Total Suspended) 00530
SAMPLE TYPE	ANALYSIS		Ψ.č	STINU	Maximum	Average	Minimum	UNITS	Maximum	Average		PARAMETER
	70 70171100	1	5	200 200 200 200 200 200 200 200 200 200	NCITAD	DIALITY OR CONCENTRATION	OLA		R COADING	QUANTITY OR LOADING		

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

2009-12-10 Certification Date:

Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

Subject Item:
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2009-10-31

Grab Sampling	Weekly	_		mg/L	C=0.36	C=0.18 MONTH_AVG		pounds per day	DALY MAX	MONTH AVG	REQUIREMENT MONTH AVG	0
Grab Sampling	Weekly	_	0	mg/L	0.0011	0.0003	i	pounds per day	0.0002	0.0001	MEASUREMENT	39032
Grab Sampling	Weekly	-		mg/L	DALY_MAX	REPORT MONTH_AVG	September .	pounds per day	DALY MAX	MONTH AVG	NT N	O
Grab Sampling	Weekly	-	0	mg/L	NODI=B	NODI=B		pounds per day	NODI=B	NODI=B	MEASUREMENT	03582
24-hr Composite	Weekly	-		тувш	DALY_MAX	<=240 MONTH_AVG		pounds per day	CALY_MAX	MONTH_AVG	3	Effluent
24-hr Composite	Weekly	_		mg/L	32.3	23.1		pounds per day	6.08	3.86	MEASUREMENT	5-day (20 degrees C) 00310
Continuous	Daily	-						Million Gallons per Day	C=0.035	MONTH AVG	Z	Owner Demand hischarles
Continuous	Daily	-	0	•••••		******		Million Gallons per Day	0.0344	0.0177	MEASUREMENT	50050
Grab Sampling	Weekly	-		mg/L	DALY MAX	MONTH AVG	******	pounds per day	DALY_MAX	MONTH AVG	REQUIREMENT	Chu.
Grab Sampling	Weekly	-	-	mg/L	0.0340	0.0150		pounds per day	0.0064	0.0027	MEASUREMENT	03604 Effluent
Grab Sampling	Weekly	-		SU	<=9.5 MAX		¥=5.5		*****		REQUIREMENT	Phenole Total
Grab Sampling	Weekly	_	0	SU	7.9		7.6		******	******	MEASUREMENT	00400 Effluent
24-hr Composite	Weekly	-		mg/L	C=600	C=300 MONTH_AVG	***************************************	pounds per day	DALY MAX	MONTH_AVG	REQUIREMENT	R o
24-hr Composite	Weekly	_	-	mg/L	87.2	56.3	******	pounds per day	15.4		MEASUREMENT	00530 Efficient
SAMPLE TYPE	FREQUENCY OF ANALYSIS		E S	STINU	Maximum	mum Average Maximu	Minimum	UNITS	Maximum	Average	CAMBIE	Solids Total Suspended
						C (1) (2)	CILA	THE RESERVE THE PERSON NAMED IN	JR CADING	QUANTITY OR LOADING	A STATE OF THE PARTY OF THE PAR	

Certification Statement:

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Vertiner.

Marcus Smith

Certification Date: 2009-11-09



Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

Subject Item:
RPNT 000000001-MSP090300-001-Outfail 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2009-09-30

PARAMETER		QUANTITY	CUANTITY OR LOADING	i ili	QUAL	QUALITY OR CONCENTRATION	RATION	The state of the s		0		
Solids (Total Suspended)	SAMPIE	Average	Maximum	CALC	Minimum	Average	Maximum	STINU	贝	3	ANALYSIS	SAMPLE TYPE
00530	MEASUREMENT	6.04	9.79	pounds per day	******	49.3	70.8	mg/L	0	4	Weekly	24-hr Composite
O	REQUIREMENT	MONTH_AVG	CALY MAX	pounds per day	*****	MONTH AVG	<=600	mg/L			Weekh	24-br Commelle
• 00400	SAMPLE MEASUREMENT		******		7.6		8.0	SU	0	1 15	Waakh	Grah Sampling
Effluent O	PERMIT REQUIREMENT				>=5.5	*****	<=9.5	SU		•	Weakh	Carlo Camping
* Phenois (Total)	SAMPLE	2000			Aliki		MAX			-	vveeny	Grab Sampling
03604	MEASUREMENT	0.0008	0.0019	pounds per day	******	0.0063	0.0140	mg/L	0	_	Weekly	Grab Sampling
O	REQUIREMENT	C=0.88	C=1.75	pounds per day	******	MONTH AVG	DAI Y MAY	mg/L	1	-	Weekly	Grab Sampling
50050	SAMPLE MEASUREMENT	0.0138	0.0233	Million Gallons per Dav	******	******		****		+	Dally	Continuous
O	PERMIT REQUIREMENT	MONTH AVG	C=0.035	Million Gallons per		******		******		-	Dally	Continuous
 Oxygen Demand, biochemical, 5-day (20 degrees C) 	SAMPLE MEASI DEMENT	16.90	19.54	pounds per day	******	144.0	168.0		,	10		Recorder
00310					1000		100.0	ıııyıc	-	_	weekly	24-hr Composite
Effluent	PERMIT <=70 REQUIREMENT MONTH_AVG	C=70 MONTH_AVG	C=140 DALY_MAX	pounds per day		C=240 MONTH_AVG	C=480	турт	36		Weekly	24-hr Composite
Oil and grease 03582	SAMPLE MEASUREMENT	NODI=B	NODI=B	pounds per day	*****	NODI=B	NODI=B	mg/L	0	-	Weekly	Grab Sampling
Effluent O	REQUIREMENT	REPORT MONTH AVG	C=29.2	pounds per day		REPORT	CAL X 100	mg/L		*	Waakiv	Graph Sampling
Pentachlorophenol 39032	SAMPLE MEASUREMENT	0.0004	0.0011	pounds per day	******	0.0035	0.0095	mg/L	0	200	Waakh	Grah Sampling
Effluent O	REQUIREMENT C=0.053	C=0.053 MONTH_AVG	<=0.105 DALY_MAX	pounds per day		C=0.18 MONTH AVG	C=0.36	mg/L		-	Weekly	Grab Sampling

Certification Statement:

or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2009-10-08



Discharge Monitoring Report Form

876 - Koppers Inc Grenada County Agency Interest:

PARAMETER

QUANTITY OR LOADING

water softner, and purge water from on-site groundwater monitoring).

Permit Number: MSP090300

RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand

2009-08-01 to 2009-08-31 Monitoring Period:

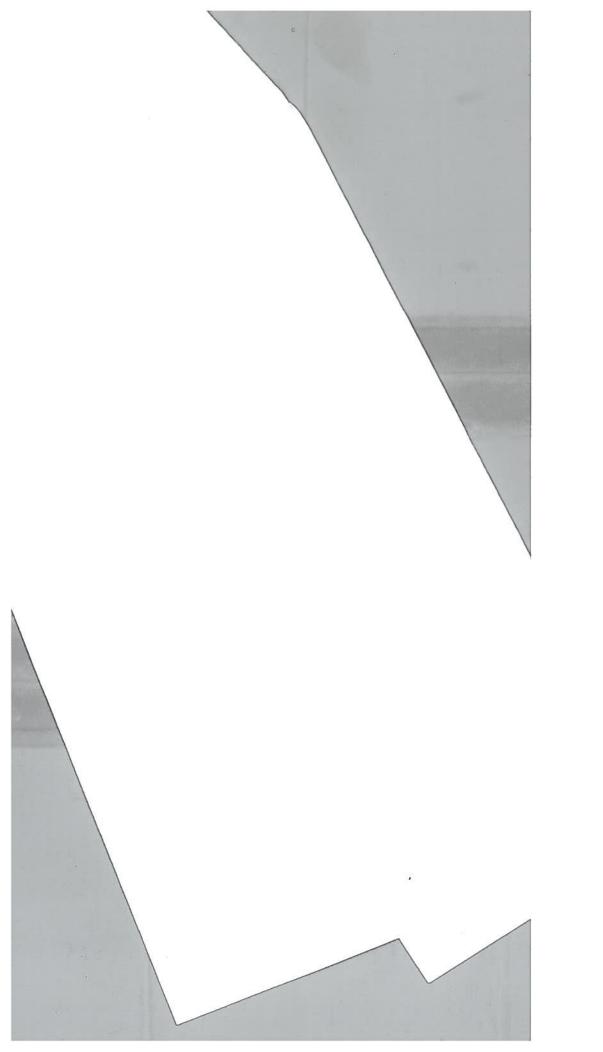
Comments:				o l					ហ្វ	Oxyger											
us:		Effluent O	39032	0	Effluent	Oil and grease	0	00310	5-day (20 degrees C)	Oxygen Demand, biochemica	0	Effluent	Flow		03604	Phenois (Total)	0	00400	H	Ogg	CU530
	NEGOTREMENT MONTH AVG	PERMIT		REQUIREMENT	MEASUREMENT	SAMPLE	3	DEDNIT		Z	PERMIT	MEASUREMENT	SAMPLE	PERMIT	MEASUREMENT	SAMPLE	PERMIT	MEASUREMENT	SAMPLE	PERMIT	MEASUREMENT
		<=0.053	_	MONTH AVE		-	MONTH AVG			MONTH AVG	REPORT		MONTH AVG	<= 0.88				-	MONTH AVG	88=>	
	Ľ	C=0.105	×	+		DALT_MAX	_		100	DALY MAY	L	!	DALY MAX	74 14					DALY MAX		
	pounds per day	pounds per day	podilus per day		pounds per day	poullus per day	DOI note	pounds per day	Uay	Million Gallons per	Day	Million Gallons per	pounds per day	pourius per day	20 Indiana			******	pounds per day	pourius per day	Political de la constantina della constantina de
	******	*****				1		******			*****		******		AIN.	>=5.5			******	*****	Whithink
MONIT AVG		0.0019	MONTH AVG			MONTH AVG					******	MONTH AVG	€3				*******	MONTH AVG	<=300		imum Average Maximun
DALY MAX	<=0.36	0.0061	<=100 DALY MAY		DALT_MAX	<=480			*****		******	DALY MAX	ĝ,		MAX	205		O	â		Maximum
mg/L	J.B.	mod	mo/l	mg/L	7/B	mod	mg/L		******			mg/L	mg/L	Service medical contractions	SU	S	100000	mg/L	mg/L		UNITS
-		-						1	I			•			•			4		ķ	ő
Weekly		Weekly			Weekly			Daily			reakly	Ministra		менкі			тивеку	10/		ANALYSIS	FREQUENCY OF
Grab Sampling		Grab Sampling			24-hr Composite		Jeniman	Continuous			Grab Sampling			Grab Sampling			24-hr Composite			SAMPLE TYPE	

Certification Statement:

or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a Marcus Smith

Certification Date:





Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

<u>Sul</u> RPN

Subject Item:

RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Monitoring Period: 2009-08-31

PARAMETER		QUANTITY OR LOADING	R LOADING	UNITS	QUALI	QUALITY OR CONCENTRATION	RATION	STINU	l S	73	FREQUENCY OF	SAMPLE TYPE
		Average	Maximum	WHEN STREET	Minimum	Average	Maximum		EX.		ANALYSIS	C 411 CF 111 CF
Solids (Total Suspended) 00530	SAMPLE MEASUREMENT	1.54		pounds per day	******			mg/L	III I	M		
Effluent O	PERMIT REQUIREMENT	MONTH_AVG	<=175 DALY_MAX	pounds per day	*****	<=300 MONTH AVG	C=600	mg/L		-	Weekly	24-hr Composite
рН 00400	SAMPLE MEASUREMENT	*****	*****		7.6		1	SU	V .			
Effluent O	PERMIT REQUIREMENT	*****	******		>=5.5		<=9.5 MAX	SU		-	Weekly	Grab Sampling
Phenois (Total) 03604	SAMPLE MEASUREMENT			pounds per day				mg/L		143		
Effluent O	PERMIT REQUIREMENT	<=0.88 MONTH_AVG	<=1.75 DALY_MAX	pounds per day	****	MONTH AVG	DALY MAX	mg/L		-	Weekly	Grab Sampling
Flow 50050	SAMPLE MEASUREMENT			Million Gallons per Day	*****			•				
Effluent	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=0.035 DALY_MAX	Million Gallons per Day	*****					-	Daily	Continuous
Oxygen Demand, biochemical, 5-day (20 degrees C)	SAMPLE MEASUREMENT	3.63		pounds per day	******			mg/L		直接		
00310 Effluent O	PERMIT REQUIREMENT	<=70 MONTH_AVG	C=140	pounds per day		<=240 MONTH_AVG	C=480 DALY_MAX	mg/L	UF A	-	Weekly	24-hr Composite
Oll and grease 03582	SAMPLE MEASUREMENT			pounds per day	*****			mg/L				
Effluent O	PERMIT REPORT REQUIREMENT MONTH_AVG	REPORT MONTH_AVG	<=29.2 DALY_MAX	pounds per day	*****	REPORT MONTH AVG	C=100	mg/L		_	Weekly	Grab Sampling
Pentachlorophenol 39032	SAMPLE MEASUREMENT			pounds per day	******			mg/L				
Effluent O	PERMIT <=0.053 REQUIREMENT MONTH_AVG	<=0.053 MONTH_AVG	<=0.105 DALY_MAX	pounds per day	*****	<=0.18 MONTH_AVG	<=0.36 DALY_MAX	mg/L		-	Weekly	Grab Sampling

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the including the possibility of fine and imprisonment for knowing violations." best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,

<u>Certifier:</u> Marcus Smith

Certification Date: 2009-09-11



Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

ier: Sul

Subject Item:
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boller blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

Monitaring Period: 2009-08-31

Grab Sampling	Weekly	1		mg/L	<=0.36 DALY_MAX	C=0.18 MONTH_AVG		pounds per day	C=0.105	<=0.053 MONTH_AVG	PERMIT REQUIREMENT	Effluent
Grab Sampling	Weekly	_	0	mg/L	0.0049	0.0017	*****	pounds per day	0.0007	0.0003	SAMPLE MEASUREMENT	Pentachlorophenol
Grab Sampling	Weekly	-		mg/L	C=100	REPORT MONTH_AVG	******	pounds per day	<=29.2 DALY_MAX	REPORT MONTH_AVG	PERMIT REQUIREMENT	Effluent O
Grab Sampling	Weekly	-	0	mg/L	NODI=B	NODI= B	*****	pounds per day	NODI=B	NODI=B	SAMPLE MEASUREMENT	Oil and grease 03582
24-hr Composite	Weekly	-		mg/L	C=480 DALY_MAX	<=240 MONTH_AVG	****	pounds per day	c=140 DALY_MAX	<=70 MONTH_AVG	PERMIT REQUIREMENT	Effluent O
24-hr Composite	Weekly	-	0	mg/L	149.0	40.1	*****	pounds per day	11.02	4.67	SAMPLE MEASUREMENT	 Oxygen Demand, biochemical, 5-day (20 degrees C)
Continuous Recorder	Daily	-		*****		*****	******	Million Gallons per Day	<=0.035 DALY_MAX	MONTH AVG	REQUIREMENT	effluent O
Continuous Recorder	Dally	-	0	******		*****		Millon Gallons per Day	0.0250	0.0133	SAMPLE MEASUREMENT	50050
Grab Sampling	Weekly	-		mg/L	C=6 DALY_MAX	MONTH_AVG	*****	pounds per day	C=1.75 DALY_MAX	C=0.88	REQUIREMENT	Effluent O
Grab Sampling	Weekly	-	0	mg/L	0.0130	0.0071	*****	pounds per day	0.0013	0.0009	SAMPLE MEASUREMENT	Phenols (Total) 03604
Grab Sampling	Weekly			SU	<=9.5 MAX		>=5.5	******	*****	*****	PERMIT REQUIREMENT	Effluent O
Grab Sampling	Weekly	-	0	SU	8.2		7.9	*****	******	*****	SAMPLE MEASUREMENT	00400
24-hr Composite	Weekly	-		mg/L	DALY_MAX	MONTH_AVG	******	pounds per day	C=175 DALY_MAX	MONTH_AVG	REQUIREMENT	Effluent O
24-hr Composite	Weekly		0	mg/L	31.2	9.8	******	pounds per day	4.57	1.56	SAMPLE MEASUREMENT	 Solids (Total Suspended) 00530
SAMPLE TYPE	ANALYSIS		Ŗ.ē	STINU	Maximum	Average	Minimum	UNITS	Maximum	Average		PARAMETER
	DECLERATION OF		ź	STATISTICS OF STREET	NOTTAG	QUALITY OR CONCENTRATION	OUALI	B21 - 2/10/09/07	T LOADING	QUANTITY OR LOADING		

Certification Statement:

or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Marcus Smith

Certification Date: 2009-09-11



Discharge Monitoring Report Form

Agency Interest: 876 - Koppers Inc Grenada County

> Permit Number: MSP090300

<u>Subject Item:</u>
RPNT 000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).

<u>Monitoring Period:</u> 2009-07-01 to 2009-07-31

PARAMETER		QUANTITY OR LOADING	RLOADING	OTUM	QUALI	QUALITY OR CONCENTRATION	RATION	The state of	Z O		FREQUENCY OF	
		Average	Maximum	CHINO	Minimum	Average	Maximum	UNITS	贝		ANALYSIS	SAMPLE TYPE
Solids (Total Suspended) 00530	SAMPLE MEASUREMENT	3.54	7.24	pounds per day	*****	20.2	44.8	mg/L	-	_	Weekly	24-hr Composite
Effluent O	PERMIT REQUIREMENT	MONTH AVG	C=175	pounds per day	*****	<=300 MONTH AVG	DALY MAX	mg/L		-	Weekly	24-hr Composite
pH 00400	SAMPLE MEASUREMENT	******	******		8.0	******		SU	0	-	Weekly	Grab Sampling
Effluent O	PERMIT REQUIREMENT			******	×=5.5	*****	<=9.5 MAX	SU	13	-	Weekly	Grab Sampling
Phenois (Total) 03604	SAMPLE MEASUREMENT	0.0047	.01	pounds per day	*****	.03	.10	mg/L	•	-	Weekly	Grab Sampling
Effluent O	PERMIT REQUIREMENT	<=0.88 MONTH_AVG	C=1.75	pounds per day		MONTH AVG	C=6	mg/L		-	Weekly	Grab Sampling
Flow 50050	SAMPLE MEASUREMENT	.0141	.0342	Million Gallons per Day	*****	******	******	***	0		Daily	Continuous
Effluent O	PERMIT REQUIREMENT	REPORT MONTH_AVG	C=0.035	Million Gallons per Day		*****		******		4	Daily	Continuous
Oxygen Demand, biochemical, 5-day (20 degrees C)	SAMPLE MEASUREMENT	.70	1.44	pounds per day	*****	4.6	13.9	mg/L	0	-	Weekly	24-hr Composite
00310 Effluent O	PERMIT REQUIREMENT	MONTH_AVG	C=140 DALY_MAX	pounds per day		<=240 MONTH_AVG	<=480 DALY_MAX	√6w	(1300) (1300) (1300)	-	Weekly	24-hr Composite
Oil and grease	SAMPLE MEASUREMENT	NODI=B	NODI=B	pounds per day		NODI=B	NOD!=B	mg/L	0	-	Weekly	Grab Sampling
Effluent O	PERMIT REQUIREMENT	REPORT MONTH AVG	<=29.2 DALY MAX	pounds per day	*****	REPORT MONTH AVG	C=100	mg/L		1	Weekly	Grab Sampling
Pentachlorophenol 39032	SAMPLE MEASUREMENT	.0006	.0011	pounds per day	*****	.004		mg/L	0	-	Weekly	Grab Sampling
Effluent O	REQUIREMENT MONTH_AVG	<=0.053 MONTH_AVG	<=0.105 DALY MAX	pounds per day	*****	<=0.18 MONTH_AVG	<=0.36 DALY_MAX	mg/L		_	Weekly	Grab Sampling

Certification Statement:

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21314151677

Marcus Smith

Certification Date: 2009-08-14

ADDRESS TO BUSE 150

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LOCATION TIF SI ANT

31115

COMOUNT NAMES

155 HBS50

FACILITY PROBLEMS TOWNS

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AND DISCHARGE IT SAN NOTE: Read Instructions before completing this form.

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
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LOCATION FACILITY

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

Form Approved. OMB No. 2040-0004

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NOTE: Read instructions before completing this form.

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NOTE: Read Instructions before completing this form.

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DISCHARGE NUMBER

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NOTE: Read Instructions before completing this form.

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Form Approved. OMB No. 2040-0004

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NOTE: Read Instructions before completing this form

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NOTE: Read Instructions before completing this form.

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LOCATION FACILITY

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Form Approved.
OMB No. 2040-0004

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NOTE: Read Instructions before completing this form.

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NATIONAL POLLUTANT DISCHARGE ELIMINATION DISCHARGE MONITORING REPC TEM (NPDES)

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Form Approved. OMB No. 2040-0004

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YEAR MO DAY NOTE: Read Instructions before completing this form.

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

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

Form Approved.
OMB No. 2040-0004

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NOTE: Read Instructions before completing this form.

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EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

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Form Approved. OMB No. 2040-0004

LOCATION FACILITY ADDRESS

PERMIT NUMBER MONITORING PERIOD YEAR MO DISCHARGE NUMBER

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FROM YEAR MO DAY 7 DAY NOTE: Read Instructions before completing this form.

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

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Form Approved.
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

DISCHARGE NUMBER 1001 6

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OMB No. 2040-0004

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NOTE: Read Instructions before completing this form.

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OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

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EPA Form 3320-1 (Rev. 3/99) Previous editions may be used

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PS 23960

FACILITY

YEAR MO

DAY

YEAR MO

MONITORING PERIOD

181-0703(V)

PERMIT NUMBER

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TOTAL FACILITY DISCHARGE

DISCHARGE NUMBER DAY THE NO DESCRIPTION F FINAL

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) TYPED OR PRINTED

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-OCATION **ACILITY**

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FROM

YEAR

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DAY

TO YEAR MO

MONITORING PERIOD

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PERMIT NUMBER

MUNICH

OMB No. 2040-0004

HNI -(SURF MD)

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

OCATION . -ACILITY

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FROM

DISCHARGE NUMBER 001 A

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TI NUK (SUBA NO)

OMB No. 2040-0004

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NOTE: Read Instructions before completing this form.

YEAR PERMIT NUMBER MO MONITORING PERIOD TO YEAR MO DAY TOTAL FACILITY DISCHARGE TWELL 1

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) including the possibility of fine and imprisonment for knowing violations.

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ACILITY ORENAUS COUNTY

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F - FINAL

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TOTAL FACILITY DISCHARGE

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NOTE: Read Instructions before completing this form.

YEAR SP090300 PERMIT NUMBER ĕ Ö **MONITORING PERIOD** DAY TO YEAR MO DAY

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

MSP090300 PERMIT NUMBER

FROM

YEAR

MO

DAY

TO YEAR MO

DAY

MONITORING PERIOD

DISCHARGE NUMBER 001 A

MINDR

F - FINAL (CIM SHUE)

OMB No. 2040-0004

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TOTAL FACILITY DISCHARGE

*** NO DISCHARGE | - + ***

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OCATION THE PLANT

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FROM

YEAR

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TO YEAR MO

MONITORING PERIOD

ACILITY GRENADA BOUNTY

TIE PLANT

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095BE

MSP090300

PERMIT NUMBER

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DAY F - FINAL *** NO DISCHARON - *** TOTAL FACILITY DISCHARGE NOTE: Read Instructions before completing this form.

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ADDRESS P 4 HOX 160

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FROM

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LOCATION

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PERMIT NUMBER DISCHARGE NUMBER 1003 7

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TINAL (SUBIC NO)

THIS FACILITY DISCHARGE

OMB No. 2040-0004

YEAR MO DAY 水水水 医药 对自由自己的现在分词 NOTE: Read Instructions before completing this form. 排件出

NAMETITLE PRINCIPAL EXECUTIVE OFFICER

VANCE E. HASEN PLANT MANAGER PARAMETER TYPED OR PRINTED MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT REQUIREMENT MEASUREMENT REQUIREMENT REQUIREMENT MEASUREMENT REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT SAMPLE SAMPLE SAMPLE PERMIT SAMPLE SAMPLE SAMPLE SAMPLE PERMIT PERMIT PERMIT I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information including the possibility of fine and imprisonment for knowing violations. I am aware that there are significant penalties for submitting false information, submitted is, to the best of my knowledge and belief, true, accurate, and complete NODI =B NODIZB MODIZB KEPORT REPORT REPURI **AVERAGE** かくの AVG かくり QUANTITY OR LOADING DAILY MX DAILY NODI =B DAILY MX A-100N NODI =B MAXIMUM Z × 8 185/10 25.77 STINU 267 72829 1037 AN 200 水水水水水水水 MINIMUM 古 等 故 法 等 等 方方方方方方 胡松体棒棒棒 係此的好本次 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT QUALITY OR CONCENTRATION NODIB S=100N DAW DIM NODY =B MO AVG SON POP REPORT REPORT REPORT **AVERAGE** NOOFB NODI = B BAILY MX DAILY MX NA ALIAG NODIZB MAXIMUM 62 726 4884 08 TELEPHONE 1/06 1.01 NUMBER STINU ٠. الم 10) (' ') M 9 0 FREQUENCY SAMPLE 0 ANALYSIS YEAR 180 981 25 NE Z. Z DATE 0 ĕ 44 09 DAY

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

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TOTAL FACILITY DISCHARGE

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NOTE: Read Instructions before completing this form.

FROM MSP090300 YEAR PERMIT NUMBER õ MONITORING PERIOD 5 YEAR MO DISCHARGE NUMBER DAY

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

Vance R. Haskin Plant Manager



Koppers inc.

P. O. Box 160 Tie Plant, MS 38960 Tel 662 226 4584

Fax 662 226 4588
Haskinvr@koppers.com
www.koppers.com

Utility Poles and Piling

May 14, 2007

Mississippi Department of Environmental Quality Environmental Compliance Division Office of Pollution Control P.O. Box 10385 Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2311

Subject: Koppers Inc.

Grenada Facility, April 2007 - POTW Permit #MSP090300

Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find the April 2007 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during this reporting period.

If you have any questions please call me at 662-226-4584 ext. 11.

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely.

Vance R. Haskin

Vance R. Hashin

CC: Joyce Fankulewski - Ki CSG

Vance R. Haskin
Plant Manager



April 16, 2007

Mississippi Department of Environmental Quality Environmental Compliance Division Office of Pollution Control P.O. Box 10385 Jackson, MS 39289-0385 Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Haskinvr@koppers.com
www.koppers.com

CERTIFIED MAIL: 7002 0460 0003 7596 2342

Subject: Koppers Inc.

Grenada Facility, March 2007 - POTW Permit #MSP090300

Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find the March 2007 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during this reporting period.

If you have any questions please call me at 662-226-4584 ext. 11.

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Vance R. Haskin

Jana R. Hash

CC: Joyce Fankulewski – KI CSG



STATE OF MISSISSIPPI

HALEY BARBOUR
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

April 17, 2007

Mr. Vance Haskin Plant Manager Koppers Inc PO Box 160 Tie Plant, MS 38960

FILE COPY

Dear Mr. Haskin:

Re: Koppers Inc Grenada County Ref. No.MSP090300 Corrected DMR Page

Enclosed is the first page of Effluent Limitations and Monitoring Requirements for the current permit. The page has been corrected for the parameter Biochemical Oxygen Demand. The parameter should be for the 5-day Biochemical Oxygen Demand at 20 degrees C rather than 5-Day Percent Removal for BOD.

If you have any questions, please contact me at (601) 961-5193.

Sincerely,

Tommy Wall, P.E.

Environmental Permits Division

Dall mo

876 PER20060001

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo RPNT0000000001: MSP090300-001 Subject Item:

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

		•	Disch	Discharge Limitations	Suo	-		Mon	Monitoring Requirements	ents
Parameter	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
Flow Effluent	Report Monthly Average	0.035 Daily Maximum	Million Gallons per Day	ı	1	1	1	Daily	Continuous Recorder	Jan-Dec
Oil and grease Effluent	Report Monthly Average	29.2 Daily Maximum	pounds per day	1	Report Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Oxygen Demand, biochemical, S-day (20 degrees C) Effluent	70 Monthly Average	140 Daily Maximum	pounds per day		240 Monthly Average	480 Daily Maximum	Jam	Weekly	24-hr Composite	Jan-Dec
Pentachlorophenol Effluent	0.053 Monthly Average	0.105 Daily Maximum	pounds per day	***	0.18 Monthly Average	0.36 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
pH Effluent	-	1	#	5.5 Minimum	***	9.5 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
Phenols (Total) Effluent	0.88 Monthly Average	1.75 Daily Maximum	pounds per day	ŧ	3 Monthly Average	6 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Solids (Total Suspended) Effluent	88 Monthly Average	175 Daily Maximum	pounds per day	1	300 Monthly Average	600 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Arsenic (Total Recoverable) Effluent	Report Annual Average	0.13 Annual Maximum	pounds per day	******	Report Annual Average	0.45 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec

Limits and Monitoring 1 of 2



STATE OF MISSISSIPPI

HALEY BARBOUR
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

March 27, 2007

CERTIFIED MAIL - 7000-1670-0013-2656-1540

Mr. Vance R. Haskin Koppers Inc. Post Office Box 160 Tie Plant, MS 38960

FILE COPY

Dear Mr. Haskin:

Re:

Koppers Industries Inc

Grenada County

Water Ref. No. MSP090300

Enclosed please find the environmental permit referenced above. Please note the limitations, schedules of compliance, monitoring requirements, and monitoring reporting dates found in this permit.

Permit No. MSP090300 is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Sections 49-17-1, et seq., Mississippi Code of 1972). Any appeal of these permit actions must be made within the 30-day period provided for in Section 49-17-29(4)(b) Mississippi Code of 1972.

Sincerely,

Tommy Wall, P.E.

Environmental Permits Division

Down Wall

Enclosure cc: Jo Sharp

876 PER20060001

Vance R. Haskin Plant Manager



March 16, 2007

Mississippi Department of Environmental Quality Environmental Compliance Division Office of Pollution Control P.O. Box 10385 Jackson, MS 39289-0385 Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Haskinvr@koppers.com
www.koppers.com

CERTIFIED MAIL: 7002 0460 0003 7596 2410

Subject: Koppers Inc.

Grenada Facility, February 2007 - POTW Permit #MSP090300

Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find the February 2007 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during this reporting period.

If you have any questions please call me at 662-226-4584 ext. 11.

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Vance R. Haskin

Vance R. Ha

CC: Joyce Fankulewski – KI CSG

Kevin B. Coker SH&E Supervisor



Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960

Tel 662 226 4584 X38 Fax 662 226 4588

www.koppers.com

CokerKBR@koppers.com

March 13, 2007

Mr. Azzam Abu-Mirshid Mississippi Department of Environmental Quality Timber and Wood Products Branch Office of Pollution Control P.O. Box 10385 Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2397

Subject: Koppers Inc. – Grenada Plant

Incident Report No. 828939

Dear Mr. Abu-Mirshid:

At approximately 2:45 P.M. on Monday, March 12, 2007 a leak was discovered in a three inch discharge line used to transfer pre-treated effluent water from the plant's Waste Water Treatment System (WWTS) to the City of Grenada POTW. The required notifications were made to the National Response Center, Local Emergency Planning Committee, and Mississippi Department of Environmental Quality.

Upon discovery of the leak the discharge pump servicing the line was de-energized stopping the flow of water from the line to a nearby ditch containing storm water. From the time of discovery to the time the pump was de-energized approximately 15 gallons was estimated to have flowed from the line. Approximately 350 gallons of water was retrieved downstream from the break and processed through the plants WWTS. The line was repaired and tested using clean water and air to ensure no additional leaks were present. Additional corrective actions will include the replacement of the existing line with a double-walled discharge line. Bids on this project are being sought.

Should you have any questions please call.

Sincerely,

Kevin B. Coker SH&E Supervisor

Enciosures

cc: Ms. Joyce Fankulewski, Koppers Inc.

Mr. George Frazier, LEPC Grenada



Permit Action Form Koppers Industries Inc 1 Koppers Drive Grenada County Tie Plant, MS 38960 APR 1 0 2007

Branch SIC: 24		ıger: Bryar	ı Colli	ins					
Recom	menda	ations							
			ermi SP09	i t No. 0300			DEQ Co Tommy V		
Action:	☐ Modification ☐ Nat		☑ Reiss ☐ Nam ☐ Deny	ne Change		☑ Division Chief ☐ Permit Board ☐ Terminate			
Program Master File		4							
Program		Sub Program		Start	Date	2	End Da	te	Delete
Air		Title V - major		06/0	1/1900				
Hazardous Waste		Large Quantity Generator		08/2	7/1999				
Hazardous Wa	ste	TSD - Not Clas	sified	06/2	8/1988				
Water		Baseline Stormwater			1/1900	>			+=-
Water		PT CIU			4/1995				
Water					4/1995				
Water		PT SIU		11/1/	1/1995				-
Permit Appl		ld be deleted from t		file by t	he Master F		rator		
rogram		Sub Program	<u> </u>		Start Da			End Date	
Vater		PT CIU			11/14/19				
Vater		PT SIU			11/14/19	95			
Air Use O	e Only:		□ Emissi ☑ Permit	ions da ting a	ata prepare ction did r	ot change	otus 1-2-3 emission	3 (Attached) s inventory.	
Published TM	IDL				FLAG		7		
N/A					N/A				



Basis:

Pretreatment Permit will be issued based upon Categorical Stds 40 CFR

Part 429.85 and the previous limits.

Coordination

Comments: There are non-related RCRA issues; Air fees up to date; and no

compliance issues associated with DEQ.

Administrative Tasks

THE TOTAL TO TANKS		
Task	Scheduled Date	Completed Date
Application Received	3/7/06 10:27:42 AM	3/6/06 10:44:51 AM
Letter Acknowledging Receipt of Application Issued	3/8/06	3/7/06 10:44:57 AM
Early Public Notice of Application Complete	4/6/06	4/18/06 1:46:39 PM
NOD(s) to Applicant Issued	4/20/06	4/20/06 9:28:14 AM
Inspection Conducted	6/4/06	8/12/06 2:07:16 PM
Administrative Completeness Determined/ Administrative Completeness Letter Sent if Needed	4/20/06	8/21/06 2:07:47 PM
Revised Application Received	11/10/05	8/21/06 2:37:17 PM
Letter Acknowledging Receipt of Revised Application Issued	11/10/05	8/21/06 2:37:49 PM
Adequacy of Treatment Complete	8/26/06	8/26/06 9:28:04 AM
Adequacy of Treatment Received	8/31/06	8/31/06 9:28:49 AM
Draft Permit and Rationale Prepared	9/20/06	9/2/06 2:08:05 PM
Draft Permit Sent to Supervisor	9/4/06	9/12/06 2:08:21 PM
Draft Permit Sent to Facility	9/16/06	9/19/06 9:27:37 AM
Send Draft Permit to Mayor	11/10/05	9/19/06 9:31:14 AM
Name Change / Transfer Request Received	11/10/05	12/11/06 7:42:55 AM
Public Notice Issued	10/17/06	1/5/07 9:03:29 AM
Public Notice Completed	3/6/07	2/4/07 9:03:58 AM
Public Comments Processed	2/15/07	2/5/07 3:24:01 PM
Final Permit/Decision and Supporting Documents Prepared	2/15/07	2/5/07 3:24:32 PM
No comments from Grenada POTW		2/5/07 3:25:38 PM
Issue Permit		MAR 2 6 2007
Transmittal of Final Permit		2 2 200/
Permit Expiration Date		02/28/12

Existing Permits

Description	
096000012	
096000012	
HW8854301	
MSR220005	
MSU081080	
2804300012	
	096000012 HW8854301 MSR220005 MSU081080

Permit Number	Description
Hazardous Waste-EPA ID	MSD007027543

Requirement Profiles:

Category	ID	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
AI	876	Permit Shell	Individual Permit	Water	Pretreatment				

FACILITY DATA SCREEN #1 (FAC1)

PERMIT #:MSP090300

TRANSACTION CODE: R

AI ID: 876

FACILITY NAME: Koppers Inc.

COGNIZANT OFFICIAL: Mr. Vance R. Haskin

PHONE: (662) 226-4584, Ext. 11

CITY: Tie Plant,

COUNTY CODE:043

SIC CODE:2491 TYPE OF APPLICATION:

FACILITY INACTIVE CODE:

FACILITY OWNERSHIP:PRI

FACILITY INACTIVE DATE: - -

SUB-REGION:NRO

ENGINEER:JTW

AVG. DESIGN FLOW:00000

FACILTIY DATA SCREEN #2 (FAC2)

RIVER BASIN:1011

Yazoo River Basin

0338 - Upper Tombigbee River

1006 - Mississippi River

0340 - Lower Tombigbee River

1011 - Yazoo River

0342 - Pascagoula River

1018 - Big Black

0343 - Pearl River

1021 - South Independent

0408 - Tennessee River

1099 - Coastal Streams

Receiving Waters: Grenada POTW MS0020397

FACILITY TYPE:I

TREATMENT TYPE:AS

AC=Activated Carbon

AS= Activated Sludge API=API Separator

AL=aerated Lagoon AW=Artificial Wetlands

AN=Anaerobic Lagoon CC=Contact Cooling

CL=Conventional Lagoon

DW=Deepwell

DF=Diffuser

CT=Cooling Tower **EOP=End of Pipe**

EV=Evaporation NC=Non-Contact Cooling

HC=Hydrograph Controlled OS=Off Site Disposal

ML=Multiple Lagoon OF=Overland Flow

OD=Oxidation Ditch

PC=Physical Chemistry

PH=pH Adjustment RO=Reverse Osmosis

PS=Primary Sedimentation **RBC=Rotating Bilogical Contractor**

RR=Recycle and Reuse

SF=Sand Filter SW=Statewide

SS=Secondary Sedimentation

TF=Trickling Filter

SI=Spray Irrigation

TOXIC AND BIOASSAY CODE:

FOR PRETREATMENT PERMITS ONLY (RDF5 CODE): BRANCH CODES: TIMBR

	DIVALICU CODES: LIMITA		Energy and Trai	ioder	tation Branch		
AFS AMS BMS CVS	Aluminum Forming Asbestos Mfg Battery Mfg Canned & Preserved Fruits & Veg. Processing	EMS FLS FAS FMS	Explosives Mfg Feedlots Ferroalloy Mfg Fertilizer Mfg	MFS MMS MIS NPS	Metal Finishing Metal Molding & Casting Mineral Mining & Processing Nonferrous Metals Forming & Powders	PTS PFS PES PPS	Photographic Plastics Molding & Forming Porcelain Enameling Pulp, Paper & Paperboard
CSS CBS CMS CWS COS	Canned & Preserved Seafood Processing Carbon Black Mfg Cement Mfg Centralized Waste Treatment Coal Mining	GMS GRS GWS HOS IFS	Glass Mfg Grain Mills Gum & Wood Chemicals Mfg Hospital Ink Formulating	NMS OES OMS OCS PAS	Nonferrous Metals Mfg Oil & Gas Extraction Ore Mining & Dressing Organic Chemicals Mfg Paint Formulating	RMS SDS SES SPS TES	Rubber Mfg Soap & Detergent Mfg Steam Electric Power Generating Sugar Processing Transportation Equipment
CCS CFS DPS ECS ELS	Coil Coating Copper Forming Dairy Products Processing Electrical & Electronic Components Electroplating	ICS ISS LFS LTS MPS	Inorganic Chemicals Mfg Iron & Steel Mfg Landfills Leather Tanning & Finishing Meat Products	PVS PCS PRS PHS PMS	Paving & Roofing Materials (tars & asphalt) Pesticide Chemicals Petroleum Refining Pharmaceutical Mfg Phosphate Mfg	TXS TPS WCS NC NCS	Cleaning Textile Mills Timber Products Processing Waste Combustors Non-categorical Non-categorical significant

FACILITY ADDRESS SCREEN (FACA)

PERMIT #:MSP090300

Primary DMR Mailing Address

FACILITY NAME: Koppers Inc ADDRESS LINE 1: PO Box 160

ADDRESS LINE 2: CITY:Tie Plant, STATE:Mississippi

ZIP:38960

Alternate DMR Mailing Address

FACILITY NAME: Koppers Industries Inc

ADDRESS LINE 1:PO Box 160

ADDRESS LINE 2: CITY:Tie Plant, STATE:Mississippi

ZIP:38960

Facility Location Address

COUNTY NAME: Grenada

ADDRESS LINE 1:1 Koppers Drive

ADDRESS LINE 2:> CITY: Tie Plant,

STATE:MS ZIP:38960

TELEPHONE:(662) 226-4584, Ext. 11

PERMIT TRACKING SCREEN (PTRK)

PERMIT #:MSP090300

FACILITY NAME: Koppers Industries Inc

PERMIT ISSUANCE:

PERMIT TRACKING EVENT CODE: P4099

ACTUAL DATE: - -

PERMIT EXPIRATION:

PERMIT TRACKING EVENT CODE: P5099

ACTUAL DATE:02-28-12

PERMIT #:MSP090300

Energy and Transportation Branch

OUTFALL GENERAL DATA SCREEN #1 (OFLG)

TRANSACTION CODE:N (N=New, C=Change)

DISCHARGE NUMBER: MSP090300-001

REPORT DESIGNATOR: A

INITIAL REPORT DATE:04-01-07

(date monitoring is to begin)

REPORT UNITS:M

NUMBER OF UNITS IN

REPORT PERIOD:001

TOTAL NUMBER OF MONTHS DUE

(Months due in 5 Years):60

INITIAL SUBMISSION DATE:05-28-07

STATE SUBMISSION UNIT: M

NUMBER OF UNITS IN STATE SUBMISSION PERIOD:001 (see instruction sheet)

PIPE DESCRIPTION:treated effluent

INITIAL LIMIT DATES:

START: - -

END: -

no HALD.

INTERIM LIMIT DATES:

START: - -

END: -

1, ac & son

FINAL LIMIT DATES:

START: 3-24-07

END:02-28-12

PIPE INACTIVE CODE:

PIPE INACTIVE DATE: - -

BOD tron

AGENCY REVIEWER:TIMBR

Dit and street

USE THESE LINES IF YOU WANT COMMENTS OR INSTRUCTIONS TO APPEAR ON THE BOTTOM OF THE DMR WHEN IT IS PREPRINTED FOR THE FACILITY. EACH FIELD REPRESENTS ONE LINE ON THE DMR.

Branol-

227

PERMIT #:MSP090300

Energy and Transportation Branch

OUTFALL GENERAL DATA SCREEN #1 (OFLG)

TRANSACTION CODE:N (N=New, C=Change)

DISCHARGE NUMBER:MSP090300-001

REPORT DESIGNATOR: A

INITIAL REPORT DATE:04-01-07

(date monitoring is to begin)

REPORT UNITS:M

NUMBER OF UNITS IN

REPORT PERIOD:006

TOTAL NUMBER OF MONTHS DUE

(Months due in 5 Years):5

INITIAL SUBMISSION DATE:01-28-08

STATE SUBMISSION UNIT: M

NUMBER OF UNITS IN STATE SUBMISSION PERIOD:012 (see instruction sheet)

PIPE DESCRIPTION: treated effluent

INITIAL LIMIT DATES:

START: - -

END: - -

INTERIM LIMIT DATES:

START: - -

END: - -

FINAL LIMIT DATES:

END:02-28-12

PIPE INACTIVE CODE:

PIPE INACTIVE DATE: - -

AGENCY REVIEWER:TIMBR

USE THESE LINES IF YOU WANT COMMENTS OR INSTRUCTIONS TO APPEAR ON THE BOTTOM OF THE DMR WHEN IT IS PREPRINTED FOR THE FACILITY. EACH FIELD REPRESENTS ONE LINE ON THE DMR.

OUTFALL GEOGRAPHIC DATA

PERMIT #:MSP090300

TRANS CODE: C

ı	r 		1	_
	USGS HYDROLOGIC BASIN CODE	(PHBC)	%%NEXL%%	
	LAT/LONG LAT/LONG SCALE DESCRIPTION	(FLLD)	010099	
	LAT/LONG SCALE	(CTT)	m	
	LAT/LONG DATUM (PLT)	1	7	
	LAT/LONG METHOD (PLLM)		· A	
	LONGITUDE (PLON)	0/0/NIEVT0/0/	/0/01NEA 1 /0/0	
	LATITUDE (PLAT)	%WEYTO	%	
	REPORT DESIGNATOR	4	:	
	DISCHARGE NUMBER	%%:subi item	bcs%%	

PERMIT FACILITY GEOGRAPHIC DATA SCREEN (FAGD)

PERMIT #:MSP090300

TRANSACTION CODE: C

LATITUDE (FLAT):+<NO DATA FOUND>

LONGITUDE (FLON): 0<NO DATA FOUND>

LAT/LONG METHOD (FLLM):8

LAT/LONG DATUM (FLLT):2

LAT/LONG SCALE (FLLS):N

LAT LONG DESCRIPTION (FLLD):02099

USGS HYDROLOGIC BASIN CODE:08030205

Mississippi Department of Environmental Quality Office of Pollution Control Environmental Permits Division

Project Awareness Checklist

The primary purpose of this checklist is to allow early identification of "big picture" items that could affect EPD's permitting decisions. The checklist will be filled out by the permit manager, with input from the permit applicant as needed. Many of the questions will be answered after the pre-application meeting. The applicable portions of the checklist should be filled out prior to developing the draft permit. The checklist should be attached to the permit action form (PAF).

This checklist does not establish or affect legal rights or obligations. This checklist does not establish or affect procedural requirements for the development or issuance of permits. MDEQ is under no obligation to complete any or all of this checklist.

References to web sites or other sources external to MDEQ are intended for informational purposes only and do not imply any official MDEQ endorsement of, or responsibility for, the opinions, ideas, reliability, data or products presented at those locations, or guarantee the validity of the information provided.

Name of facility	y					
Koppers Industries	s Inc					
AI#						
876						
Permit type	39					
☐ Issuance ☐ Reissuance with	hout Modification	☐ Modification☑ Reissuance with Modification				
☐ Routine ☐ I	Priority					
Critical path						
□ Air	☑ Water	☐ Hazardous Waste	☐ Solid Waste			
Notes/Comment	ts					

876 PER20060001

Performance Pact Project Awareness Checklist

A. Air		Section Not Applicable ☑
Yes No Not Applicable		
	A1.	Is the facility located in an area that may become a non-attainment area when the new NAAQS are implemented? PM2.5
	A2.	Is this facility a significant minor source as defined by <u>APC-S-2</u> , <u>Section I.B.21</u> ?
	A3.	Will this facility generate dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof, such as to cause a nuisance to property from which it originated? (APC-S-1, Section 3.3)
	A4.	 Is this project subject to any of the following regulations? New Source Performance Standards (NSPS) (40 CFR Part 60) National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Parts 61 and 63) Compliance Assurance Monitoring (CAM) (40 CFR Part 64) Prevention of Significant Deterioration (PSD) (40 CFR Part 52) Acid Rain Program (40 CFR Part 72) Chemical Accident Prevention Provisions (40 CFR Part 68)
	A5.	Does this facility fall into one of the 28 listed source categories? (40 CFR 52)
_x	A6.	Is this facility located within 200 km of any <u>Class I</u> area? (40 CFR 52) ■ Will there be construction or air emissions near a <u>national</u> /state forest or <u>national</u> /state park or other recreational area? □Yes / □No / □NA
	A7.	Will any air discharges have an impact on water quality?
B. Hazard	lous W	Vaste Section Not Applicable □
	B1.	Is this a hazardous waste TSD project? ■ Typically these projects have opposition. ■ Is there off-site contamination? □Yes / ☑No / □NA ■ Are "bad boy" and financial capability reviews necessary? □Yes / ☑No / □NA
	B2.	Is the site a brownfield site? Check with Groundwater Assessment and Remediation Division – Brownfields Branch.

Performance Pact Project Awareness Checklist

876 PER20060001

Comment: Page. I
"Significant Minor Source." A
stationary source that is (a) not a
synthetic minor source or major Title V
source, and (b) is one of the following
categories of sources: (a) hot-mix asphalt
plants, (b) cotton gins, (c) medical waste
incinerators, (d) rendering plants, or (e)
Any other new stationary source deemed
by the Permit Board to be a significant
minor source due to (t) the source's
potential to require significant air
pollution control operations in order to
avoid a violation of the Mississippi Air
and Water Pollution Control Law or any
regulation promulgated thereunder, (ii)
the source's potential to cause a
substantial threat to public health,
welfare, or the environment, or (iii) the
source's potential to cause or substantially
contribute to a violation of any applicable
ambient air quality standard.

2

	•	Check with Groundwater Assessment and Remediation Division – Uncontrolled Sites Branch.
	B3. Arbat	e there <u>universal waste</u> considerations? (Examples: used oil, car teries, fluorescent tubes.)
C. Solid Wa	aste	Section Not Applicable ☑
	:	his a new or existing solid waste management facility? These projects may have opposition. Does the existing facility (or other facilities owned or operated by the applicant) have a history of non-compliance? Yes / No / NA Is the application a result of enforcement action by ECED? Yes / No / NA
000	:	I solid waste be sent to a third-party landfill? Contact the landfill owner to verify that the landfill can and will accept the waste. Does the County Solid Waste Management Plan need to be modified? □Yes / □No / □NA
D. Water		Section Not Applicable \square
	trea	I the facility discharge wastewater to a third-party wastewater timent plant (WWTP)? Is the WWTP willing and able to accept the discharge? Yes / \(\subseteq No / \subseteq NA Is a pretreatment permit needed? \(\overline{\text{Y}} \) Yes / \(\subseteq NO / \subseteq NA
	Was (The	mississippi sound (morading the coastal waters)

876 PER20060001

Performance Pact Project Awareness Checklist

	 Has the permit manager or the Regional Office done an inspection to determine whether the discharge location is suitable to receive discharged wastewater? □Yes / □No / □NA Contact Surface Water Division if unsuitable locations are proposed.
□□Ø D3.	 Is the water body on the 303(d) list for parameters of concern? Check with the Water Quality Assessment Branch for 303(d) listing. Consider alternative receiving streams/locations or no-discharge systems. Refer to NPDES Permit Issuance Process for Facilities Discharging to 303(d) Listed Waters, January 1999
□ □ Ø D4.	 Has a TMDL been developed for the receiving stream? See http://www.deq.state.ms.us/newweb/swhome.nsf/pages/WDivision/\$file/tmd3.html, or check with the Water Quality Assessment Branch. Does the TMDL propose limitations on the discharge? □Yes / □No / □NA
□ □ ☑ D5.	Will the project impact wetlands or other waters of the United States? Check with WQMB for requirements for 404 permit or 401 Water Quality Certification Are there any issues with the Surface Water Division? □Yes / □No / □NA
□ □ ☑ D6.	 Is an antidegradation package required? For POTWs, required for new major discharges (≥1 mgd) or for increases in discharges from majors. (This may change when WQMB issues guidance in the future.) For industrial, follow the "Antidegradation Policy Review Checklist." (The document is located in the Knowledge Center.) The package must be sent to EPA along with the draft permit.
□ □ Ø D7.	Is the stream classified for shellfish harvesting, drinking water supply, or recreation? ■ See State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters, November 16, 1995 for a list, or check with WQAB/Standards. (The document is located in the Knowledge Center.) ■ Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems. ■ Have water supply intake distances been evaluated? □Yes / □No / □NA
□ □ Ø D8.	Is the stream actually used for recreation, even if the classification is fish and wildlife?

Check with WQAB/Standards, Regional Offices, Mississippi Department of Wildlife, Fisheries, and Parks, and Mississippi Forestry Commission. Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems. Have distances of actual water contact activity been evaluated? □Yes / □No / □NA D9. Is the receiving stream classified as an ephemeral stream? Check with WQAB/Standards Alternate discharge points or no-discharge systems must be investigated before this stream is considered. D10. Will the project violate water buffer zone requirements? How is the surrounding area zoned? Will there be a discharge near a state forest or park or other recreational area? □Yes / □No / □NA Has the stream been proposed for inclusion in the State Scenic Streams Stewardship Program (Section 51-4 et seq., Mississippi Code)? ■ As of March 12, 2003, the streams include Chunky Creek in Newton County from the confluence of Chunky Creek and Tallasher Creek. Chunky River in Newton, Lauderdale and Clarke Counties to the junction with the Chickasawhay River in Clarke County. Magee's Creek in Walthall County from the confluence of Varnell Creek to the Bogue Chitto River. Tangipahoa River in Pike County beginning at U.S. Highway 51 and extending to the Mississippi-Louisiana state line. Wolf River in Pearl River, Hancock, Stone and Harrison Counties from Highway 26 in Pearl River County to the Bay of St. Louis in Harrison County. ■ Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems. D12. Will the facility obtain water from an existing Public Water System (PWS)? ■ Does the PWS have adequate capacity? Yes / No / NA Contact MSDH/Division of Water Supply if needed. ■ Check with OLWR if the water use will be ≥300,000 gpd or if the PWS will need a permit modification. D13. Will the facility use surface water or build a dam? ■ Check with OLWR for permit requirements. Check with WQMB for requirements regarding intake structures or wetlands issues.

	DI4.	Will the facility use a Check with OLW	groundwater? /R for permit req	quirements.	
E. SARA	Title II	II (EPCRA) Repor	ting	Section No	t Applicable □
	El.	Will the facility meet man-hour requirementhreshold?	the reporting crint, SIC code or re	iteria of <u>EPCRA Se</u> eportable quantity c	ection 313 by over a certain
	E2.	In response to the requestermined if there are CERCLA Substances quantities?	e "Extremely Ha	azardous Substance	s (EHS)" or
	E3.	Does the facility store Planning Quantity?" I Section 311 and 312 r	If so then the rep	orting requirements	ective "Threshold s of EPCRA
F. Other				Section Not	Applicable 🗆
000	F1.	List all existing permi		·	
		Permit Number Air-Title V	Description 096000012	Expiration 1/1/09	_
		Operating	090000012	1/1/09	
		Air-Title V Fee Customer	096000012		•
		Hazardous Waste- TSD	HW8854301	9/30/09	•
		GP-Wood Treating	MSR220005		•
		Air-AIRS AFS	2804300012		•
		Hazardous Waste-	MSD00702754		•
		EPA ID	3		
		Are permit applica will expire in ≤ 180 If no, will the curre □Yes / □No / ☑N	0 days? ☑Yes / [ent permitting ac	□No / □NA	ave expired or
		Permit Activity	Last Permit Expired Task	Last App Received Task	
		Water-PT	8/31/06	3/6/06 10:44:51 AM	

F2.	 Are all fees (e.g., Title V), fines, and/or compliance with CEQ orders current? Check enSite for actions on or after October 1, 2001. Check with ECED for earlier actions. Check with Mona Varner for fees.
F3.	 Check complaints database and compliance history. Check enSite for actions on or after October 1, 2001. Check with ECED for earlier actions. What is the nature of the historical compliance problems (if applicable)?
	■ Are there any pending agreed orders? □Yes / □No / □NA
F4.	Are there EJ considerations? ■ Review demographic maps and per capita income information. ■ Does the area around the site appear to be a low-income or minority area? □Yes / □No / □NA
	 Is there a significant amount of industrial activity? □Yes / □No / □NA Are there indications that there is a significant population of non-English-speaking people near the site? □Yes / □No / □NA Are we aware of any variances or violations in local zoning? □Yes / □No / □NA Are there quality of life issues? □Yes / □No / □NA Contact the EJ coordinator if there appear to be EJ concerns. Determine what kind of additional public information activities need to be done.
F5.	Has it been determined that there is public interest in this project? ■ Is there organized public opposition? □Yes / ☑No / □NA ■ Who is the opposition?
	 Has there been media coverage or the possibility of media coverage? □Yes / ☑No / □NA Are there regulation changes on the horizon that would result in more stringent requirements for the project? □Yes / ☑No / □NA Are there actual, potential, or alleged human health or environmental impacts? □Yes / ☑No / □NA If yes, explain.
F6.	Are there cumulative impact issues? Is there a concentration of emissions in the area? □Yes / ☑No / □NA

		 Research by reviewing files, etc. for effects of past projects, the effects of current projects, and the effects of probable future projects. It includes the effects of other projects which interact with this project and, together, are considerable. Is GIS information available? □Yes / ☑No / □NA Has it been used? □Yes / ☑No / □NA
	F7.	 Is the Mississippi Development Authority (MDA) interested? Is the proposed project in an economically underdeveloped area of the state? □Yes / □No / ☑NA Is the project receiving CDBG (Community Development Block Grant) funding? □Yes / □No / ☑NA CDBG funding is given for projects in low-to-moderate income areas and thus indicates the possibility of EJ considerations.
	F8.	Will this project have the potential to impact threatened and endangered species? Pesticide limitations for endangered species link. NPDES link. http://endangered.fws.gov/ Contact WQAB for a list of species.
	F9.	Will this project have the potential to impact archeological and cultural resources? ■ Has the Mississippi Department of Archives and History been contacted? □Yes / □No / □NA
	F10.	Is this facility located in a politically sensitive area?
a 0	F11.	Will this facility have a significant economic impact on the area?
	F12.	Does this project involve other state or federal agencies, and if so, in what way?
	F13.	Is the project (or company or location, etc.) listed in the Heightened Awareness Projects database (located in Lotus Notes)? ☐Yes / ☐No / ☐NA If yes, get in touch with the listed contact person.
	F14.	Review "Enclosure B: EPA/State Review and Oversight Tools for NPDES Permits" to determine if any additional information needs to be gathered. (The document is located in the Knowledge Center.)
	F15.	Is there <i>anything else</i> that might slow down the permitting decision or change any permit conditions? (<u>Industrial Sector Notebooks</u>) If yes, describe.



State of Mississippi



WATER POLLUTION CONTROL PERMIT

Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

THIS CERTIFIES

Koppers Inc 1 Koppers Drive Tie Plant, MS Grenada County

FILE COPY

this permit does not relieve the permittee from complying with any requirements which Publicly Owned Treatment Works conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution has been granted permission to discharge wastewater in accordance with effluent limitations, monitoring requirements and other thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act. The issuance of Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated 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

Mississippi Department of Environmental Quality

Issued/Modified: MAR 2 6 2007

Expires: FEB 2 8 2012

Permit No. MSP090300

Agency Interest # 876

*** Official MDEQ Permit - Version 1.1 ***

Table of Contents

Koppers Inc

Activity ID No.: PER20060001 Subject Item Inventory
Permit Number: MSP090300

Subject Item Inventory:

E	Designation	Description
AI876 AI-876	AI-876	Creosote and pentachlorophenol wood treater.
RPNT1	RPNT1 MSP090300-001	Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower
		blowdown, storm water, equipment washdown, and purge water from on-site groundwater monitoring) and wastewater generated from the backflushing of the GE Osmonics brand water softner.

RPNT = Release Point

Insignificant Activity

MAFO = Animal Feeding Operation

TRMT = Treatment

EQPT = Equipment

CONT = Control Device

AI876	AI-876	Creosote an	Creosote and pentachlorophenol wood treater.	wood treater.
RPNT1	MSP090300-001	Outfall 001	(treated wastewater co	Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower
		blowdown, the backflus	storm water, equipme shing of the GE Osmo	
Receiving	Receiving Stream Relationships:			
Subject Item			Relationship	Receiving Stream
RPNT1 Outfi removed from cooling tower washdown, ar monitoring) a of the GE Osn	RPNT1 Outfall 001(treated wastewater consisting of water Discharges Into removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, and purge water from on-site groundwater monitoring) and wastewater generated from the backflushing of the GE Osmonics brand water softner.	owdown, owdown, 'ater ackflushing	Discharges Into	Grenada POTW MS0020397
KEY				
ACT = Activity	ity		AI = Agency Interest	nterest
AREA = Area			CAFO = Concer	CAFO = Concentrated Animal Feeding Operation
	,			

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo

RPNT0000000001: MSP090300-001

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

Parameter	Quantity /	Quantity /	Dis Quantity/	Discharge Limitations y/ Conc./ C	Conc. /	Conc	-	-	Conc. / Frequent	/ Conc. / Frequency
	Loading Average	Loading	Loading Units	Quality Minimum	Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	ency	ency Sample Type
BOD, 5-Day Percent Removal Effluent	70 Monthly Average	140 Daily Maximum	pounds per day	*****	240 Monthly Average	480 Daily Maximum	л/Д	Weekly		24-hr Composite
Flow Effluent	Report Monthly Average	0.035 Daily Maximum	Million Gallons per Day	***	****	***	******	Daily		Continuous Recorder
Oil and grease Effluent	Report Monthly Average	29.2 Daily Maximum	pounds per day	*****	Report Monthly Average	100 Daily Maximum	mg/L	Weekly		Grab Sampling
Pentachlorophenol Effluent	0.053 Monthly Average	0.105 Daily Maximum	pounds per day	*****	0.18 Monthly Average	0.36 Daily Maximum	mg/L	Weekly		Grab Sampling
pH Effluent	*****	*****	***	5.5 Minimum	计数据表示	9.5 Maximum	SU	Weekly		Grab Sampling Jan-Dec
Phenols (Total) Effluent	0.88 Monthly Average	1.75 Daily Maximum	pounds per day	*****	3 Monthly Average	6 Daily Maximum	mg/L	Weekly		Grab Sampling Jan-Dec
Solids (Total Suspended) Effluent	88 Monthly Average	175 Daily Maximum	pounds per day	**	300 Monthly Average	600 Daily Maximum	mg/L	Weekly		24-hr Composite Jan-Dec
Arsenic (Total Recoverable) Effluent	Report Annual Average	0.13 Annual Maximum	pounds per day	安安安安安安	Report Annual Average	0.45 Annual Maximum	mg/L	Semiannually		ually 24-hr Composite Jan-Dec

Limits and Monitoring 1 of 2

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo

RPNT00000000001: MSP090300-001

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

7			Disc	Discharge Limitations	tions			Мол	Monitoring Requirements	nents
rarameter	Loading Average	Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Frequency Sample Type Which Months	Which M
Chromium (Total Recoverable) Effluent	Report Annual Average	1.17 Annual Maximum	pounds per day	**	Report Annual Average	4 Annual Maximum	mg/L	Semiannually	24-hr Composite Jan-Dec	Jan-Dec
Copper (Total Recoverable) Effluent	Report Annual Average	0.642 Annual Maximum	pounds per day	计分析检查	Report Annual Average	2.2 Annual Maximum	mg/L	Semiannually	24-hr Composite Jan-Dec	Jan-Dec

Koppers Inc Facility Requirements Permit Number:MSP090300

Activity ID No.: PER20060001

A1876 (AI-876) Creosote and pentachlorophenol wood treater.:

Page 1 of 19

Limitation Requirements:

L-2	Σ(Condition
		Parameter	
General Pretreatment Prohibitions	Samples taken in compliance with the monitoring requirements specified in this permit shall be taken at the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system or mixing with non-regulated waste streams. [WPC-1 Chapter One Section IV.A(28)]	Condition	

General Pretreatment Prohibitions

In addition to those pollutants limited in the "Effluent Limitations and Monitoring Requirements" section of this permit, the following pollutants shall not be discharged into the POTW:

- (1) Pollutants which create a fire or explosion hazard in the POTW, including but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21;
- the treatment works is specifically designed to accommodate such discharges; (2) Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless
- (3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference; concentration which will cause interference with the POTW; (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant
- approval Authority, upon request of the POTW, approves alternate temperature limits; quantities that the temperature at the POTW treatment plant exceeds 40 degrees Centigrade (104 degrees Fahrenheit) unless the (5) Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such
- (6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass
- (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
- (8) Any trucked or hauled pollutants, except at discharge points designated by the POTW. [40 CFR 403.5(b)]

Koppers Inc

Activity ID No.: PER20060001 Permit Number:MSP090300 **Facility Requirements**

AI876 (continued):

Page 2 of 19

Record-Keeping Requirements:

Condition

Condition

Recording of Results

monitoring including: For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such

- (1) The exact place, date, and time of sampling;
- (2) The dates the analyses were performed;
- (3) The person(s) who performed the analyses;
- (4) The analytical techniques, procedures or methods used; and
- (5) The results of all required analyses. [WPC-1 Chapter One Section IV.A(29)a]

Submittal/Action Requirements:

Condition

Condition

Oral Notification Requirements

The permittee shall notify the Mississippi Environmental Quality Permit Board and the POTW orally immediately upon becoming aware of the following:

- (1) A spill which would result in a discharge to the POTW or to State waters;
- (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. [WPC-1 Chapter One Section IV.M]

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Submittal/Action Requirements:

Condition Condi

Condition

Reporting

be submitted to the Mississippi Environmental Quality Permit Board at the following address: other reports required herein, shall be signed in accordance with Chapter One Sections II.C. and II.E. of the Mississippi Wastewater Permit Regulations, and shall Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1) POSTMARKED NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. Copies of these, and all

Mississippi Department of Environmental Quality

Office of Pollution Control

P.O. Box 10385

Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(15)c(1)]

Noncompliance Notification - Twenty-Four Hour Reporting

S-3

prevent recurrence of the noncompliance. 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 the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and (1) 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

- (2) The following shall be included as information which must be reported within 24 hours under this paragraph.
- (i) Any unanticipated bypass which exceeds any effluent limitation in the permit.
- (ii) Any upset which exceeds any effluent limitation in the permit.
- (iii) 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.
- within 24 hours. [WPC-1 Chapter One Section IV.A(29)e] (iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received

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Noncompliance Notification - Other Noncompliance

monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the reporting requirements contained in this permit. [WPC-1 Chapter One Section IV.A(29)f] The permittee shall report all instances of noncompliance not reported under the oral notification requirements or reporting requirements of this permit, at the time

S-5 Noncompliance Notification - Other Information

any report to the Permit Board, it shall promptly submit such facts or information. [WPC-1 Chapter One Section IV.A(29)g] Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in

S-6 Expiration of Permit

than the expiration date of the permit. [WPC-1 Chapter One Section V.B(1)] permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this

rrative Requirements:

Definitions:

Condition

No. Condition
T-1 Definitions: General

The permittee shall refer to WPC-1, Chapter 1, Section I.A for definitions of any permit term not specified in this permit. [WPC-1 Chapter One Section I.A]

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Definitions: Monthly Average

month divided by the number of "daily discharges" measured during the month. The monthly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the calendar month. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(40)] "Monthly Average" means the average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar

T-3 Definitions: Daily Discharge

of the pollutant over the day. [WPC-1 Chapter One Section I.A(14)] over the day. For pollutants with limitations expressed in other units of measurements, the "daily average" is calculated as the average measurement of the discharge purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged "Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for

Definitions: Daily Maximum

T-4

"Daily maximum" means the highest "daily discharge" over a calendar month. [WPC-1 Chapter One Section I.A(15)]

Definitions: Toxic Pollutants

"Toxic pollutants" means any pollutant listed as toxic under Section 307(a)(1) or, in the case of "sludge use or disposal practices", any pollutant identified in regulations implementing Section 405(d) of the Clean Water Act. [WPC-1 Chapter One Section I.A]

T-6 Definitions: Hazardous Substances

"Hazardous substances" are defined in 40 CFR 116.4. [WPC-1 Chapter One 116.4]

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Definitions: Quarterly Average

discharges" measured during the quarter. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(26)] divided by the number of "daily discharges" measured during the quarter. The quarterly average for fecal coliform bacteria is the geometric mean of "daily "Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter

T-8 Definitions: Quarterly Maximum

"Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [WPC-1 Chapter One Section I.A(57)]

T-9 Definitions: Yearly Average

"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 [WPC-1 Chapter One Section I.A(77)] 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

Definitions: Yearly Maximum

"Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [WPC-1 Chapter One Section I.A(78)]

Condition	
No.	Condition
T-11	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. [WPC-1 Chapter One Section IV.M]
T-12	The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule: Upon Permit Issuance. [WPC-1 Chapter One Section IV.A(9)]

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Condition Conditic T-13 Within 14

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compliance or noncompliance with the requirements or conditions specified to be completed by that date. [WPC-1 Chapter One Section IV.A(10)] Within 14 days after either an interim or final date of compliance specified by this permit, the permittee shall provide the Permit Board with written notice of his

T-14 No Discharge of Wastewater to Surface Water

Bypassing and Upset conditions of this permit, or as authorized under separate permit pursuant to Section 402 of the Federal Water Pollution Control Act. [WPC-1 The discharge of any wastewater from this facility to the waters of the State of Mississippi shall constitute a violation of this permit, except as provided in the

T-15 Facilities Operation

conditions of the permit. The Permit Board may require regular reporting of internal operational and maintenance parameters where necessary to confirm proper equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance operation of a waste treatment system. [WPC-1 Chapter One Section IV.A(18)] of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and

T-16 Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [WPC-1 Chapter One Section

T-17 Reporting

compliance with the appropriate effluent limitation and/or reporting requirement. [WPC-1 Chapter One Section II.G] 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 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 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 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 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

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Condition

Reporting

Board. [WPC-1 Chapter One Section IV.A(15)c(2)] 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 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

T-19 Reporting

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [WPC-1 Chapter One Section IV.A(15)c(3)]

T-20

Test Procedures

Chapter One Section IV.A(30)] Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [WPC-1

Records Retention

Chapter One Section IV.A(29)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. [WPC-1 All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for a

T-22 Falsifying Reports

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. [WPC-1 Chapter One Section IV.A(29)d] 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 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

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Condition T-23

Condition

Compliance with Permit Conditions

any interim or final dates for compliance specified therein. [WPC-1 Chapter One Section IV.A(13)] 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

T-24 Facility Expansion and/or Modification

submitting to the Permit Board a notice of a new or increased discharge. [WPC-1 Chapter One Section IV.A(14)] to Chapter One, Section II.A. of the Mississippi Wastewater Regulations, or if the discharge does not violate effluent limitations specified in the permit, by 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 pursuant Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the

T-25 Routine Reporting

elsewhere in the permit to the following address: Such test results, reports, or other data as the Mississippi Environmental Quality Permit Board may determine to be necessary shall be submitted as specified

Mississippi Department of Environmental Quality Office of Pollution Control

P.O. Box 10385

Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(16)]

T-26 Duty to Mitigate

likelihood of adversely affecting human health or the environment. [WPC-1 Chapter One Section IV.A(19)] The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit that has a reasonable

T-27 Bypassing

The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 403.17. [WPC-1 Chapter One Section IV.M]

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Bypassing - Definitions

"Bypass" means the intentional diversion of waste streams from any portion of the permittee's treatment facility.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. [40 CFR 403.17(a)]

T-29 Bypassing -Notice

Anticipated bypass-

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.

Unanticipated bypass-

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 may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. [40 CFR 403.17(c)] 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 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 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

T-30 **Bypassing- Prohibition of Bypass**

Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:

- (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage.
- periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
- (3) The permittee submitted notices as required under the notice of bypass requirement in this permit. [40 CFR 403.17(d)]

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Upsets- Definition The permittee shall meet the conditions of 40 CFR 403.16 regarding "Upsets" and as in the upset requirements of this permit. [WPC-1 Chapter One Section IV.M]

Upsets - Effect of an upset facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [WPC-1 Chapter One Section IV.A(27)] beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors

T-33

T-32

T-31

Upsets

upset, and before an action for noncompliance, is final administrative action subject to judicial review. [WPC-1 Chapter One Section IV.A(27)] demonstration of upset" requirements of this permit are met. No determination made during administrative review of claims that noncompliance was caused by An upset constitutes an affirmative defense to an action brought for noncompliance with categorical pretreatment standards if the "conditions necessary for

A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant Upsets - Conditions necessary for demonstration of upset

- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
- (2) The permitted facility was at the time being properly operated in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures; and;
- (3) The permittee submitted notice of the upset as required in 40 CFR 403.16(c)(3)(24-hour notice of noncompliance). [WPC-1 Chapter One Section IV.A(27)]
- T-35 Upsets Burden of proof

In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [WPC-1 Chapter One Section IV.A(27)]

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Upsets- User responsibility in case of upset

reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where among other things, the primary source of power of the treatment facility is reduced, lost or fails. [40 CFR 403.16(f)] The Industrial User shall control production or all discharges to the extent necessary to maintain compliance with categorical Pretreatment Standards upon

T-37 Removed Substances

Recovery Act, and the Mississippi Water Pollution Control Act. [WPC-1 Chapter One Section IV.A(21)] such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent

T-38 Power Failures

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

- (1) 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 the permit,
- control facilities. [WPC-1 Chapter One Section IV.A(22)] (2) 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

T-39 Inspection and Entry

an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency event shall be conducted at reasonable times. [WPC-1 Chapter One Section IV.A(17)] facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during required to be kept under the terms and conditions of this permit, at any reasonable time, to have access to and copy any applicable records, to inspect process The permittee shall allow any authorized Commission representative to enter the permittee's premises where a wastewater source is located or in which records are

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Condition

Transfer of Ownership or Control

Chapter One Section V.C] This permit is not transferable to any person without proper modification of this permit following procedures found in WPC-1, Chapter 1, Section V.C. [WPC-1

T-41 Signatory Requirements

All applications, reports, or information submitted to the Permit Board shall be signed and certified. [WPC-1 Chapter One Section II.C]

Signatory Requirements - Application Signatures

T-42

All permit applications shall be signed as follows:

- 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 (ii) 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 (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer 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. [WPC-1 Chapter One Section II.C]

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Signatory Requirements -Reports and Other Information

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

- (1) The authorization is made in writing by a person described by the application signature requirements;
- duly authorized representative may thus be either a named individual or any individual occupying a named position.); and position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A (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
- (3) The written authorization is submitted to the Permit Board. [WPC-1 Chapter One Section II.C]

Signatory Requirements - Changes to Authorization

T-44

operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall reports, information, or applications. [WPC-1 Chapter One Section IV.M]

Signatory Requirements - Certification

Any person signing a document under the signatory requirements stated in this permit shall make the following certification:

Chapter One Section IV.A(29)d] those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or "I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [WPC-1

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Condition

Availability of Records

made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. for review and copying requirements. [WPC-1 Chapter One Section III.E] Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be

T-47 **Duty to Provide Information**

exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit Board upon request, copies of records required to be kept by the permit. [WPC-1 Chapter One Section IV.A(16)] The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause

T-48 Permit Actions

reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [WPC-1 Chapter One Section The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

T-49 Civil and Criminal Liability

- the actions defined by law. (1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to
- penalties for noncompliance. (2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal
- compliance with the conditions of this permit. [WPC-1 Chapter One Section IV.A(24)] (3) It shall not be the defense of the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain

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Oil and Hazardous Substance Liability

pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [WPC-1 Chapter One Section IV.A(23)] which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law 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

T-51 Hazardous Waste Release

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). [40 CFR 403.12(p)] 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once. However, 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 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 constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and 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 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 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 authorities, and the POTW in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR (1) The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, State hazardous waste

T-52 Hazardous Waste Release (continued)

- more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(d). Discharge of require additional notification. 261.33(e), requires a one-time notification. Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not (2) Dischargers are exempt from the requirements of paragraph (1) of the Hazardous Waste Release requirement during a calendar month in which they discharge
- discharge of such substance within 90 days of the effective date of such regulations. [40 CFR 403.12(p)] (3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities of the

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Condition Hazardous Waste Release (continued) Condition

toxicity of hazardous wastes generated to the degree it has determined to be economically practical. [40 CFR 403.12(p)] (4) In the case of any notification made under paragraph (1) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and

T-54 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. [WPC-1 Chapter One Section V.E.]

T-55 Severability

affected thereby. [WPC-1 Chapter One Section IV.A(25)] The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be

Protection of Confidential Information

made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. 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 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 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 (1) 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 [WPC-1 Chapter One Section III.F]

T-57 Protection of Confidential Information- continued

available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [WPC-1 Chapter One Section and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II. B.13.a), shall be (2) 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

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Protection of Confidential Information- continued

any appeal from the determination of the Commission is completed. [WPC-1 Chapter One Section III.F] 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 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 Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure 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 (3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the

T-59 Spill Prevention and Best Management Plans

Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [WPC-1 Chapter One Section IV.A(12)a] containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary

Closure Requirements

environmental hazard to waters of the State. [WPC-1 Chapter One Section IV.A(11)] regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than

Koppers Inc

Facility Requirements
Permit Number:MSP090300
Activity ID No.: PER20060001

Page 19 of 19

tower blowdown. storm water. equipment washdown, and purge water from on-site groundwater monitoring) and wastewater generated from the RPNT1 (MSP090300-001) Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling Submittal/Action Requirements:

	Z Z	I	
For Arsenic, Chromium, and Copper, The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One]	For BOD, flow, oil & grease, pentachlorophenol, total phenols, pH, and total suspended solids, The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One]	Condition	

GENERAL INFORMATION

Koppers Inc 1 Koppers Drive Tie Plant, MS Grenada County

Alternate/Historic Identifiers

Ð	Alternate/Historic Name	User Group	Start Date End Date	End Date
876	Koppers, Inc.	Official Site Name	12/11/2006	
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	8/27/1999	
096000012	Koppers Industries, Inc.	Air-Title V Operating	3/11/1997 3/1/2002	3/1/2002
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999 9/30/2009	9/30/2009
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	6/28/1988 6/28/1998	6/28/1998
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995 11/13/2000	11/13/2000
MSU081080	Koppers Industries, Inc.	Water-SOP	11/9/1981	11/9/1981 11/30/1985
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	9/18/2001 8/31/2006	8/31/2006
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	9/25/1992	
096000012	Koppers Industries, Inc.	Air-Title V Operating	1/13/2004	1/1/2009
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	3/11/1997	
876	Koppers Industries, Inc.	Historic Site Name	11/9/1981	11/9/1981 12/11/2006

Yazoo River Basin

dsin:

Latitude: 33° 44′ 3″ 0 tenths

Longitude: 89° 47' 8" 6 tenths

Location Description: PG-Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance

GENERAL INFORMATION

General Facility Description: Koppers Inc. is a wood treater that uses creosote and pentachlorphenol as a wood preservative.

Relevant Documents: Cover Let

Cover Letter and Form 2P

Public Notice Mississippi Environmental Quality Permit Board P. O. Box 10385 Jackson, Mississippi 39289-0385 Telephone No. (601) 961-5171

FILE COPY

Public Notice Start Date: February 19, 2007

MDEQ Contact: Tommy Wall

Deadline for Comment: March 21, 2007

Koppers Inc. located at 1 Koppers Drive in Tie Plant, Mississippi 38960 has applied to the Mississippi Department of Environmental Quality for the re-issuance of Pretreatment Permit MSP090300 to discharge treated wastewater and wastewater generated from the backflushing of the GE Osmonics brand water softner from outfall 001 into the City of Grenada POTW. The applicant's operations fall within SIC Code 2491 as a wood preserver that treats various timbers with pentachlorophenol and creosote.

The staff of the Permit Board has developed this draft permit based on information submitted to the Permit Board by the applicant, appropriate State and Federal agencies and other interested parties. The staff of the Permit Board is soliciting all relative information pertaining to the proposed activity, including public comment, to ensure that the final staff recommendation on the draft permit complies with all State and Federal regulations. Public review and comment on the draft permit and supporting documentation is an important element in the staff evaluation and resulting recommendation to the Permit Board. The draft permit conditions have been developed to ensure compliance with all State and Federal regulations but are subject to change based on information received as a result of public participation.

Persons wishing to comment upon or object to the proposed determinations are invited to submit comments in writing to Mr. Scott Hodges at the Permit Board's address shown above, no later than March 21, 2007. All comments received by this date will be considered in the formulation of final determinations regarding the application(s). A public hearing will be held if the Permit Board finds a significant degree of public interest in the proposed permit(s). The Permit Board is limited in the scope of its analysis to environmental impact. Any comments relative to zoning or economic and social impacts are within the jurisdiction of local zoning and planning authorities and should be addressed to them.

Additional details about the application(s), including a copy of the draft permit(s), are available by writing or calling Mr. Tommy Wall at the above Permit Board address and telephone number. For those with Internet access, a copy of the proposed draft permit(s) may be found on the Mississippi Department of Environmental Quality's website at:

http://opc.deq.state.ms.us/report_public_notice.aspx. This information is also available for review at the following location(s) during normal business hours:

Mississippi Department of Environmental Quality Office of Pollution Control Southport Center Building 2380 Highway 80 West Jackson, Mississippi 39204

Elizabeth Jones Library Post Office Box 130 Grenada, Mississippi 38901

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

State of Mississippi

Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

1 Koppers Drive Tie Plant, MS

thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act. The issuance of thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act. The issuance of the Island Control Act. The has been granted permission to discharge wastewater in accordance with effluent limitations, monitoring requirements and other Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works. Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water pollution. this permit does not relieve the permittee from complying with any requirements which publicly Owned Treatment Works

Permit No. MSP090306 Agency Interest # 876 Mississippi Department of Environmental Quality ing Barin

> nsignificant Activit = Control Device

: GE Osmonica toring) and w. Idown, and pi ing tower bl oved from t₁

= Activity = Area

eceiving ject Item VT1 Outfa

 R_{Pl}

Now (a) 2007

Issued/Modified: F-23

cxnires:

*** Draft Permit

Public Notice Mississippi Environmental Quality Permit Board P. O. Box 10385 Jackson, Mississippi 39289-0385 Telephone No. (601) 961-5171

Public Notice Start Date: January 5, 2007 Deadline for Comment: February 4, 2007

MDEQ Contact: Tommy Wall

Koppers Inc. located at 1 Koppers Drive in Tie Plant, Mississippi 38960 has applied to the Mississippi Department of Environmental Quality for the re-issuance of Pretreatment Permit MSP090300 to discharge treated wastewater from outfall 001 into the City of Grenada POTW. The applicant's operations fall within SIC Code 2491 as a wood preserver that treats various timbers with pentachlorophenol and creosote.

The staff of the Permit Board has developed this draft permit based on information submitted to the Permit Board by the applicant, appropriate State and Federal agencies and other interested parties. The staff of the Permit Board is soliciting all relative information pertaining to the proposed activity, including public comment, to ensure that the final staff recommendation on the draft permit complies with all State and Federal regulations. Public review and comment on the draft permit and supporting documentation is an important element in the staff evaluation and resulting recommendation to the Permit Board. The draft permit conditions have been developed to ensure compliance with all State and Federal regulations but are subject to change based on information received as a result of public participation.

Persons wishing to comment upon or object to the proposed determinations are invited to submit comments in writing to Mr. Scott Hodges at the Permit Board's address shown above, no later than February 4, 2007. All comments received by this date will be considered in the formulation of final determinations regarding the application(s). A public hearing will be held if the Permit Board finds a significant degree of public interest in the proposed permit(s). The Permit Board is limited in the scope of its analysis to environmental impact. Any comments relative to zoning or economic and social impacts are within the jurisdiction of local zoning and planning authorities and should be addressed to them.

Additional details about the application(s), including a copy of the draft permit(s), are available by writing or calling Mr. Tommy Wall at the above Permit Board address and telephone number. For those with Internet access, a copy of the proposed draft permit(s) may be found on the Mississippi Department of Environmental Quality's website at: http://opc.deq.state.ms.us/report_public_notice.aspx. This information is also available for

http://opc.deq.state.ms.us/report public notice.aspx. This information is also available for review at the following location(s) during normal business hours:

Mississippi Department of Environmental Quality Office of Pollution Control Southport Center Building 2380 Highway 80 West Jackson, Mississippi 39204 Elizabeth Jones Library Post Office Box 130 Grenada, Mississippi 38901

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



State of Mississippi

WATER POLLUTION CONTROL PERMIT



Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

THIS CERTIFIES

Koppers Inc
1 Koppers Drive
Tie Plant, MS
Grenada County

DRAFT

FILE COPY

this permit does not relieve the permittee from complying with any requirements which Publicly Owned Treatment Works thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act. The issuance of Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works. has been granted permission to discharge wastewater in accordance with effluent limitations, monitoring requirements and other

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: Expires:

Permit No. MSP090300

Agency Interest # 876

Table of Contents

Cover Letter and Form 2P	Other Relevant Documents:	General Information	Facility Requirements	Subject Item Inventory
	A-1		•	

Subject Item Inventory
Permit Number: MSP090300
Activity ID No.: PER20060001

Subject Item Inventory:

\bigcirc			
	PNTI	A1876	F
	RPNTI MSP090300-001	AI876 AI-876	Designation
blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).	Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood boilers because it	Creosote and pentachlorophenol wood treater.	Description

		97	
Receiving Stream Relationships:			
Subject Item	Relationship	Receiving Stream	
removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softner, and purge water from on-site groundwater monitoring).	Discharges Into	Grenada POTW MS0020397	
KEY ACT = Activity	AI = Agency Interest	terest	
	CAFO = Concentrat EQPT = Equipment	CAFO = Concentrated Animal Feeding Operation EQPT = Equipment	
RPNT = Release Point	MAFO = Animal Fe TRMT = Treatment	MAFO = Animal Feeding Operation TRMT = Treatment	

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo

RPNT0000000001: MSP090300-001

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

,			Dis	Discharge Limitations	tions		7.	Mon	Monitoring Requirements	nents
Parameter	Quantity / Loading Average	Quantity / Loading Maximum	Quantity/ Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
BOD, S-Day Percent Removal Effluent	70 Monthly Average	140 Daily Maximum	pounds per day		240 Monthly Average	480 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Flow Effluent	Report Monthly Average	0.035 Daily Maximum	Million Gallons per Day	***	***	*****		Daily	Continuous Recorder	Jan-Dec
Oil and grease Effluent	Report Monthly Average	29.2 Daily Maximum	pounds per day	**	Report Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Pentachlorophenol Effluent	0.053 Monthly Average	0.105 Daily Maximum	pounds per day		0.18 Monthly Average	0.36 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
pH Effluent	**	****	******	5.5 Minimum	*	9.5 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
Phenols (Total) Effluent	0.88 Monthly Average	1.75 Daily Maximum	pounds per day	****	3 Monthly Average	6 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Solids (Total Suspended) Effluent	88 Monthly Average	175 Daily Maximum	pounds per day	***	300 Monthly Average	600 Daily Maximum	J/gm	Weekly	24-hr Composite	Jan-Dec
Arsenic (Total Recoverable) Effluent	Report Annual Average	0.13 Annual Maximum	pounds per day	***	Report Annual Average	0.45 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec

Limits and Monitoring 1 of 2

*** Draft Permit ***

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo RPNT0000000001: MSP090300-001

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

Parameter	Ouantity /	Ougntity /	Disc	Discharge Limitations	tions			Мог	Monitoring Requirements	nents
	Loading	Loading	Quantity /	Conc. /	Conc./	Conc./	Conc./	Frequency	Sample Type	Which
Charles	Average	Maximum	Units	Quality Minimum	Quality Average	Quality Maximum	Quality Units	cquency	Sample Type Which Months	Which
Chromium (Total	Report	1.17	pounds ner		D					
Effluent	Annual Average	Annual Maximum	day	****	Annual Average	Annual Maximum	mg/L	Semiannually	24-hr Composite Jan-Dec	Jan-Dec
Copper	Report	0.642	pounds per		Dance					
(1 otat Kecoverable) Effluent	Annual Average	Annual Maximum	day	*	Annual Average	Annual Maximum	mg/L	Semiannually	24-hr Composite Jan-Dec	Jan-Dec

Activity ID No.: PER20060001 Permit Number:MSP090300 **Facility Requirements** Koppers Industries Inc

A1876 (AI-876) Creosote and pentachlorophenol wood treater.:

Limitation Requirements:

	Condition Parameter
Samples taken in compliance with the monitoring requirements specified in this permit shall be taken at the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system or mixing with non-regulated waste streams. [WPC-1 Chapter One Section IV.A(28)]	

General Pretreatment Prohibitions

streams. [WPC-1 Chapter One Section IV.A(28)]

L-2

following pollutants shall not be discharged into the POTW: In addition to those pollutants limited in the "Effluent Limitations and Monitoring Requirements" section of this permit, the

- (2) Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21; (1) Pollutants which create a fire or explosion hazard in the POTW, including but not limited to, wastestreams with a closed cup
- the treatment works is specifically designed to accommodate such discharges;
- concentration which will cause interference with the POTW; (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant (3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;
- quantities that the temperature at the POTW treatment plant exceeds 40 degrees Centigrade (104 degrees Fahrenheit) unless the approval Authority, upon request of the POTW, approves alternate temperature limits; (5) Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such
- (6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass
- (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
- (8) Any trucked or hauled pollutants, except at discharge points designated by the POTW. [40 CFR 403.5(b)]

Activity ID No.: PER20060001 Permit Number:MSP090300 **Facility Requirements** Koppers Industries Inc

Page 2 of 19

AI876 (continued):

Record-Keeping Requirements:

Condition

Condition

Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such

- (1) The exact place, date, and time of sampling;
- (2) The dates the analyses were performed;
- (3) The person(s) who performed the analyses;
- (4) The analytical techniques, procedures or methods used; and
- (5) The results of all required analyses. [WPC-1 Chapter One Section IV.A(29)a]

Submittal/Action Requirements:



Condition

Oral Notification Requirements

(1) A spill which would result in a discharge to the POTW or to State waters; The permittee shall notify the Mississippi Environmental Quality Permit Board and the POTW orally immediately upon becoming aware of the following:

- (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. [WPC-1

Koppers Industries Inc Facility Requirements Permit Number:MSP090300 Activity ID No.: PER20060001

Page 3 of 19

AI876 (continued):

Submittal/Action Requirements:

Condition

Condition

Reporting

be submitted to the Mississippi Environmental Quality Permit Board at the following address: other reports required herein, shall be signed in accordance with Chapter One Sections II.C. and II.E. of the Mississippi Wastewater Permit Regulations, and shall POSTMARKED NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. Copies of these, and all Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1)

Mississippi Department of Environmental Quality
Office of Pollution Control

Office of Pollution Control

P.O. Box 10385

Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(15)c(1)]

Noncompliance Notification - Twenty-Four Hour Reporting

S-3

prevent recurrence of the noncompliance. 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 the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and 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 (1) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from

- (2) The following shall be included as information which must be reported within 24 hours under this paragraph.
- (i) Any unanticipated bypass which exceeds any effluent limitation in the permit.
- (ii) Any upset which exceeds any effluent limitation in the permit.
- (iii) 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.
- (iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received within 24 hours. [WPC-1 Chapter One Section IV.A(29)e]

Koppers Industries Inc Facility Requirements Permit Number:MSP090300 Activity ID No.: PER20060001

Page 4 of 19

AI876 (continued):

Submittal/Action Requirements:

•		S.A.	<u>,</u>	Condition
	The permittee shall report all instances of noncompliance not reported under the oral notification requirements or reporting requirements of this permit, at the time monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the reporting requirements contained in this permit. [WPC-1 Chapter One Section IV.A(29)f]	Noncompliance Notification - Other Noncompliance	Condition	

S-5 Noncompliance Notification - Other Information

any report to the Permit Board, it shall promptly submit such facts or information. [WPC-1 Chapter One Section IV.A(29)g] Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in

S-6 Expiration of Permit

permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later than the expiration date of the permit. [WPC-1 Chapter One Section V.B(1)] At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this

Narrative Requirements: Definitions:

T-1	No.	Condition
Definitions: General	Condition	

The permittee shall refer to WPC-1, Chapter 1, Section I.A for definitions of any permit term not specified in this permit. [WPC-1 Chapter One Section I.A]

Koppers Industries Inc Facility Requirements Permit Number:MSP090300 Activity ID No.: PER20060001

Page 5 of 19

AI876 (continued):

Narrative Requirements:
Definitions:

Condition o.

Condition

Definitions: Monthly Average

"Monthly Average" means the average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during the month. The monthly average for fecal coliform bacteria is the geometric mean of "daily results of zero. [WPC-1 Chapter One Section I.A(40)] discharges" measured during the calendar month. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample

T-3 Definitions: Daily Discharge

over the day. For pollutants with limitations expressed in other units of measurements, the "daily average" is calculated as the average measurement of the discharge "Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged of the pollutant over the day. [WPC-1 Chapter One Section I.A(14)]

T-4 Definitions: Daily Maximum

"Daily maximum" means the highest "daily discharge" over a calendar month. [WPC-1 Chapter One Section I.A(15)]

Definitions: Toxic Pollutants

regulations implementing Section 405(d) of the Clean Water Act. [WPC-1 Chapter One Section I.A] "Toxic pollutants" means any pollutant listed as toxic under Section 307(a)(1) or, in the case of "sludge use or disposal practices", any pollutant identified in

T-6 Definitions: Hazardous Substances

"Hazardous substances" are defined in 40 CFR 116.4. [WPC-1 Chapter One 116.4]

Koppers Industries Inc Facility Requirements Permit Number:MSP090300 Activity ID No.: PER20060001

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AI876 (continued):

Narrative Requirements: Definitions:

Condition O.

Condition

Definitions: Quarterly Average

discharges" measured during the quarter. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of divided by the number of "daily discharges" measured during the quarter. The quarterly average for fecal coliform bacteria is the geometric mean of "daily zero. [WPC-1 Chapter One Section I.A(26)] "Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter

T-8 Definitions: Quarterly Maximum

"Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [WPC-1 Chapter One Section I.A(57)]

T-9 Definitions: Yearly Average

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. "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 [WPC-1 Chapter One Section I.A(77)]

0 Definitions: Yearly Maximum

"Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [WPC-1 Chapter One Section I.A(78)]

Condition
No.
T-11
T-12

Activity ID No.: PER20060001 Permit Number:MSP090300 **Facility Requirements** Koppers Industries Inc

Page 7 of 19

AI876 (continued):

Narrative Requirements:

T-14 T-13 Condition No Discharge of Wastewater to Surface Water compliance or noncompliance with the requirements or conditions specified to be completed by that date. [WPC-1 Chapter One Section IV.A(10)] Within 14 days after either an interim or final date of compliance specified by this permit, the permittee shall provide the Permit Board with written notice of his Condition

T-15 **Facilities Operation**

Chapter One Section I.B]

Bypassing and Upset conditions of this permit, or as authorized under separate permit pursuant to Section 402 of the Federal Water Pollution Control Act. [WPC-1

The discharge of any wastewater from this facility to the waters of the State of Mississippi shall constitute a violation of this permit, except as provided in the

conditions of the permit. The Permit Board may require regular reporting of internal operational and maintenance parameters where necessary to confirm proper of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance operation of a waste treatment system. [WPC-1 Chapter One Section IV.A(18)] includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and

T-16 Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [WPC-1 Chapter One Section

T-17 Reporting

compliance with the appropriate effluent limitation and/or reporting requirement. [WPC-1 Chapter One Section II.G] 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 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 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 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 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

Permit Number:MSP090300 **Facility Requirements** Koppers Industries Inc

Activity ID No.: PER20060001

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A1876 (continued):

Narrative Requirements:

Condition Condition

Reporting

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 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 Board. [WPC-1 Chapter One Section IV.A(15)c(2)]

T-19 Reporting

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [WPC-1 Chapter One Section IV.A(15)c(3)]

T-20 Test Procedures

Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [WPC-1

Records Retention

All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for 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. [WPC-1] Chapter One Section IV.A(29)aJ

T-22 **Falsifying Reports**

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 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 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 49-17-43 of the Code. [WPC-1 Chapter One Section IV.A(29)d]

Activity ID No.: PER20060001 Permit Number:MSP090300 Koppers Industries Inc **Facility Requirements**

AI876 (continued):

Narrative Requirements:

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Condition Compliance with Permit Conditions Condition

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 Facility Expansion and/or Modification any interim or final dates for compliance specified therein. [WPC-1 Chapter One Section IV.A(13)]

to Chapter One, Section II.A. of the Mississippi Wastewater Regulations, or if the discharge does not violate effluent limitations specified in the permit, by 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 pursuant Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the Routine Reporting submitting to the Permit Board a notice of a new or increased discharge. [WPC-1 Chapter One Section IV.A(14)]

elsewhere in the permit to the following address: Such test results, reports, or other data as the Mississippi Environmental Quality Permit Board may determine to be necessary shall be submitted as specified

Office of Pollution Control Mississippi Department of Environmental Quality T-25

T-24

P.O. Box 10385 Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(16)]

T-26 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 that has a reasonable likelihood of adversely affecting human health or the environment. [WPC-1 Chapter One Section IV.A(19)]

T-27

The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 403.17. [WPC-1 Chapter One Section IV.M] Bypassing

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AI876 (continued):

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Condition Condition

Bypassing - Definitions

"Bypass" means the intentional diversion of waste streams from any portion of the permittee's treatment facility

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial loss caused by delays in production. [40 CFR 403.17(a)] and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic

T-29 Bypassing -Notice

Anticipated bypass-

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.

Unanticipated bypass-

may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. [40 CFR 403.17(c)] 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 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 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

T-30 **Bypassing- Prohibition of Bypass**

Bypass is prohibited, and the Commission may take enforcement action against a permittee 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 during normal judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering
- (3) The permittee submitted notices as required under the notice of bypass requirement in this permit. [40 CFR 403.17(d)]

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T-31

Upsets

The permittee shall meet the conditions of 40 CFR 403.16 regarding "Upsets" and as in the upset requirements of this permit. [WPC-1 Chapter One Section IV.M]

T-32 Upsets- Definition

facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [WPC-1 Chapter One Section IV.A(27)] beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors

T-33 Upsets - Effect of an upset

upset, and before an action for noncompliance, is final administrative action subject to judicial review. [WPC-1 Chapter One Section IV.A(27)] demonstration of upset" requirements of this permit are met. No determination made during administrative review of claims that noncompliance was caused by An upset constitutes an affirmative defense to an action brought for noncompliance with categorical pretreatment standards if the "conditions necessary for

Upsets - Conditions necessary for demonstration of upset

A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant

- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
- (2) The permitted facility was at the time being properly operated in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures; and;
- (3) The permittee submitted notice of the upset as required in 40 CFR 403.16(c)(3)(24-hour notice of noncompliance). [WPC-1 Chapter One Section IV.A(27)]
- T-35 Upsets Burden of proof

In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [WPC-1 Chapter One Section IV.A(27)]

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Narrative Requirements:

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On Condition

Upsets- User responsibility in case of upset

situation where among other things, the primary source of power of the treatment facility is reduced, lost or fails. [40 CFR 403.16(f)] reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the The Industrial User shall control production or all discharges to the extent necessary to maintain compliance with categorical Pretreatment Standards upon

T-37 Removed Substances

such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent Recovery Act, and the Mississippi Water Pollution Control Act. [WPC-1 Chapter One Section IV.A(21)]

T-38 Power Failures

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

- (1) 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 the permit,
- control facilities. [WPC-1 Chapter One Section IV.A(22)] (2) 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
- T-39 Inspection and Entry

event shall be conducted at reasonable times. [WPC-1 Chapter One Section IV.A(17)] an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during required to be kept under the terms and conditions of this permit, at any reasonable time, to have access to and copy any applicable records, to inspect process The permittee shall allow any authorized Commission representative to enter the permittee's premises where a wastewater source is located or in which records are

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AI876 (continued):

Narrative Requirements:

Condition

Condition

Transfer of Ownership or Control

Chapter One Section V.C] This permit is not transferable to any person without proper modification of this permit following procedures found in WPC-1, Chapter 1, Section V.C. [WPC-1

T-41 Signatory Requirements

All applications, reports, or information submitted to the Permit Board shall be signed and certified. [WPC-1 Chapter One Section II.C]

Signatory Requirements - Application Signatures

T-42

All permit applications shall be signed as follows:

- corporation, or (ii) 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 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 (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer 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. [WPC-1 Chapter One Section II.C]

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AI876 (continued):

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Narrative Requirements:

Condition Condition

Signatory Requirements -Reports and Other Information

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

- (1) The authorization is made in writing by a person described by the application signature requirements;
- duly authorized representative may thus be either a named individual or any individual occupying a named position.); and position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A (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
- (3) The written authorization is submitted to the Permit Board. [WPC-1 Chapter One Section II.C]
- T-44 Signatory Requirements - Changes to Authorization

operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any reports, information, or applications. [WPC-1 Chapter One Section IV.M] If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall

Signatory Requirements - Certification

Any person signing a document under the signatory requirements stated in this permit shall make the following certification:

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [WPC-1 those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or "I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to

Koppers Industries Inc Facility Requirements Permit Number:MSP090300 Activity ID No.: PER20060001

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Narrative Requirements:

T-46	ي ا	Condition
Availability of Records	Condition	

Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be for review and copying requirements. [WPC-1 Chapter One Section III.E] made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed

T-47

Duty to Provide Information

Board upon request, copies of records required to be kept by the permit. [WPC-1 Chapter One Section IV.A(16)] exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause

reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [WPC-1 Chapter One Section Permit Actions The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

(1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to the actions defined by law.

T-49

Civil and Criminal Liability

T-48

- (2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.
- compliance with the conditions of this permit. [WPC-1 Chapter One Section IV.A(24)] (3) It shall not be the defense of the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain

Koppers Industries Inc **Facility Requirements**

AI876 (continued):

Narrative Requirements:

Activity ID No.: PER20060001 Permit Number: MSP090300

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Condition Oil and Hazardous Substance Liability Condition

which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [WPC-1 Chapter One Section IV.A(23)] 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

T-51 Hazardous Waste Release

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 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 constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and 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 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 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 authorities, and the POTW in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e). [40 CFR 403.12(p)] 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once. However, (1) The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, State hazardous waste 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

T-52 Hazardous Waste Release (continued)

- more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification. Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not (2) Dischargers are exempt from the requirements of paragraph (1) of the Hazardous Waste Release requirement during a calendar month in which they discharge no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(d). Discharge of
- (3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a discharge of such substance within 90 days of the effective date of such regulations, [40 CFR 403.12(p)] hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities of the

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Facility Requirements
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AI876 (continued):

Narrative Requirements:

T-53	Condition .
Hazardous Waste Release (continued)	Condition

toxicity of hazardous wastes generated to the degree it has determined to be economically practical. [40 CFR 403.12(p)] (4) In the case of any notification made under paragraph (1) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and

private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [WPC-1 Chapter One Section V.E.] 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

T-55

Severability

T-54

Property Rights

affected thereby. [WPC-1 Chapter One Section IV.A(25)] held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or

made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. 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 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 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 (1) 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 Protection of Confidential Information

available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [WPC-1 Chapter One Section and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II. B.13.a), shall be (2) 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 T-57

Protection of Confidential Information- continued

[WPC-1 Chapter One Section III.F]

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AI876 (continued):

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Condition 0

Condition

Protection of Confidential Information-continued

any appeal from the determination of the Commission is completed. [WPC-1 Chapter One Section III.F] 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 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 Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure (3) 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

-59 Spill Prevention and Best Management Plans

containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [WPC-1 Chapter One Section IV.A(12)a] Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of

Closure Requirements

environmental hazard to waters of the State. [WPC-1 Chapter One Section IV.A(11)] regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and

Koppers Industries Inc Facility Requirements Permit Number:MSP090300 Activity ID No.: PER20060001

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water. equipment washdown. and purge water from on-site groundwater monitoring). RPNT1 (MSP090300-001) Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, storm Submittal/Action Requirements:

S-2	S-1	Condition p.
For Arsenic, Chromium, and Copper, The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One]	For BOD, flow, oil & grease, pentachlorophenol, total phenols, pH, and total suspended solids, The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One]	Condition

GENERAL INFORMATION

Koppers Industries Inc 1 Koppers Drive Tie Plant, MS Grenada County

Alternate/Historic Identifiers

Б	Alternate/Historic Name	User Group	Start Date End Date	End Date
876	Koppers Industries, Inc.	Official Site Name	11/9/1981	
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	8/27/1999	
096000012	Koppers Industries, Inc.	Air-Title V Operating	3/11/1997	3/1/2002
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999 9/30/2009	9/30/2009
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	6/28/1988	6/28/1998
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995 11/13/2000	11/13/2000
MSU081080	Koppers Industries, Inc.	Water-SOP	11/9/1981	11/9/1981 11/30/1985
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	9/18/2001	8/31/2006
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	9/25/1992	
096000012	Koppers Industries, Inc.	Air-Title V Operating	1/13/2004	1/1/2009
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	3/11/1997	

Yazoo River Basin

Latitude:

33° 44' 3" 0 tenths

Longitude: 89° 47' 8" 6 tenths

Location Description: PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate.

GENERAL INFORMATION

General Facility Description:

Koppers Inc. is a wood treater that uses creosote and pentachlorphenol as a wood preservative.

Relevant Documents:

Cover Letter and Form 2P

*** Draft Permit ***